

# Converting Colors

XYZ(78.4304, 91.8857, 87.6374)

Have a look what the booklet for  
XYZ(78.4304, 91.8857, 87.6374)  
contains.

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# Color

**XYZ(78.5181, 91.9289,  
87.7344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9FFE5
RGB	217, 255, 229
RGB Percent	85%, 100%, 90%
CMY	0.1490, 0.0000, 0.1020
CMYK	0.15, 0.00, 0.10, 0.00
HSL	139°, 100%, 93%
HSV	139°, 15%, 100%
XYZ	78.5181, 91.9289, 87.7344
YIQ	240.6740, -14.3020, -16.1420

# Conversions

## Conversions Part 2

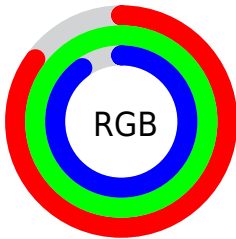
Format	Color
R <sub>Y</sub> B	217, 246, 255
Decimal	14286821
CIE Lab	96.79, -17.02, 8.36
CIE LCh	97, 18.959, 153.839
Yxy	91.9289, 0.3041, 0.3561
Android (android.graphics.Color)	4292476901 (0xFFD9FFE5)
YUV	240.6740, -5.7553, -20.7621
Hunter-Lab	95.8796, -21.6112, 12.8625

# Details

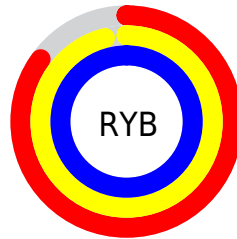
The XYZ color **78.5181, 91.9289, 87.7344** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.2309, 77.3575, 95.3912**, and the grayscale version is **83.4042, 87.7477, 95.5573**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7344, 51.1255, 47.6603** is the 20% darker color. If you saturate the color by 10%, you get **69.1998, 87.3925, 75.2147**, and if you desaturate by 10%, it is **89.2539, 97.1675, 101.6013**.

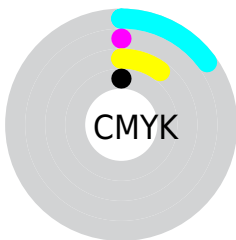
# Distribution



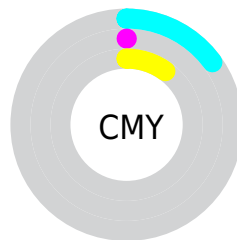
- Red (85%)
- Green (100%)
- Blue (90%)



- Red (85%)
- Yellow (96%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5181, 91.9289, 87.7344 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 78.5181, 91.9289, 87.7344 by changing the saturation by 10% instead.



78.5181, 91.9289,  
87.7344

78.5181, 91.9289,  
87.7344

478.7375,  
534.2857, 541.0118

58.8039, 69.5816,  
65.5400

130.2417,  
150.0148, 146.0952

42.7011, 51.1855,  
47.4450

162.9819,  
186.5223, 183.0988

29.8441, 36.3563,  
33.0307

200.7948,  
228.5185, 225.8758

19.8678, 24.7095,  
21.8787

244.0458,  
276.3879, 274.8448

12.4067, 15.8607,  
13.5703

293.1002,  
330.5150, 330.4244

7.0955, 9.4257,  
7.6871

348.3234,

3.5687, 5.0198,

391.2840, 393.0330

3.8105

410.0807,  
459.0795, 463.0893

■ 1.4612, 2.2589,  
1.5220

■ 0.2992, 0.7518,  
0.2342

■ 78.5181, 91.9289,  
87.7344

■ 78.5181, 91.9289,  
87.7344

■ 69.1998, 87.3925,  
75.2147

■ 89.2539, 97.1675,  
101.6013

■ 61.2360, 83.5271,  
63.9976

95.0500, 100.0000,  
108.9000

■ 54.5620, 80.3000,  
54.0420

■ 49.1071, 77.6756,  
45.3033

■ 44.7932, 75.6148,  
37.7341

■ 41.5329, 74.0734,  
31.2840

■ 39.2252, 73.0006,  
25.8984

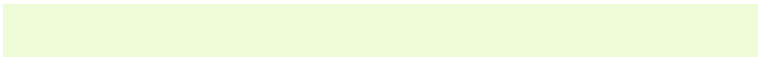
■ 37.7472, 72.3340,  
21.5179

■ 37.2277, 72.1071,  
19.6488

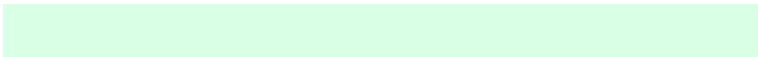
# Harmonies

## Analogous

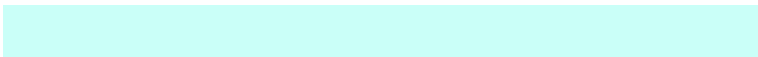
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8061, 91.9289, 77.6945



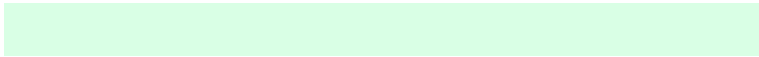
78.5181, 91.9289, 87.7344



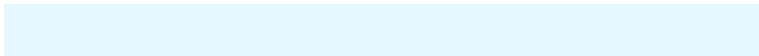
77.5682, 91.9289, 102.0678

# Triad

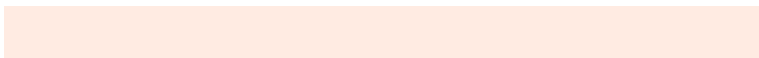
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5181, 91.9289, 87.7344



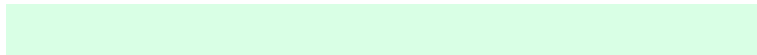
88.0618, 91.9289, 132.2381



96.1442, 91.9289, 84.6617

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78.5181, 91.9289, 87.7344



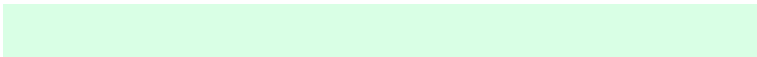
82.2309, 77.3575, 95.3912

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.9768, 91.9289, 98.1477



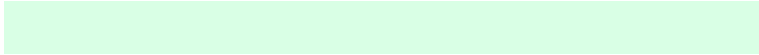
78.5181, 91.9289, 87.7344



93.1925, 91.9289, 126.4335

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5181, 91.9289, 87.7344



82.9458, 91.9289, 128.7377



96.8755, 91.9289, 113.5651

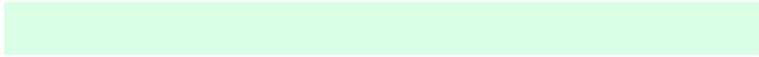


91.9605, 91.9289, 76.0508



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



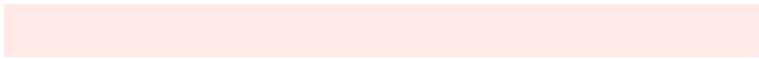
78.5181, 91.9289, 87.7344



78.3552, 91.9289, 112.3995



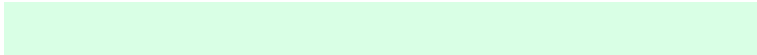
96.8755, 91.9289, 113.5651



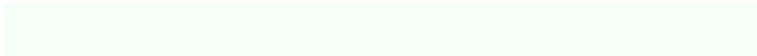
97.0632, 91.9289, 88.7229

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78.5188, 91.9292, 87.7358



90.2930, 97.6752, 102.9185



85.4543, 95.6915, 79.6131



19.1406, 20.8157, 21.7933



0.0000, 0.0000, 0.0000

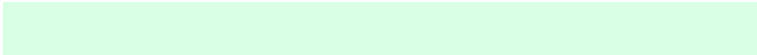


20.3446, 21.4041, 23.3091

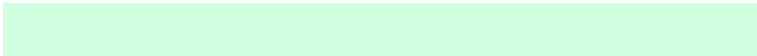


# Same Dimension

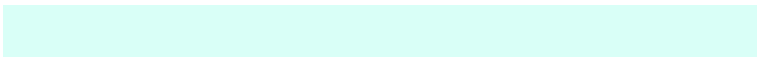
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5188, 91.9292, 87.7358



75.4826, 90.4498, 83.7141



81.2261, 93.0121, 101.9920



18.0079, 20.2627, 20.3445



19.5116, 37.7012, 10.5792



1.9468, 3.6896, 1.2776



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



82.2309, 77.3575, 95.3912



79.8682, 73.2313, 92.7569



79.5895, 76.3010, 81.4820



18.5342, 18.1970, 21.4302



25.6354, 12.7435, 22.5285



2.5456, 1.2606, 2.4545



# Previews

## White Background



This preview shows how the XYZ color 78.5181, 91.9289, 87.7344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

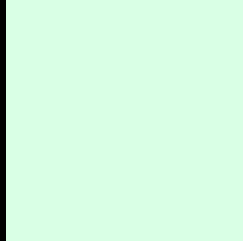
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.5181, 91.9289, 87.7344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

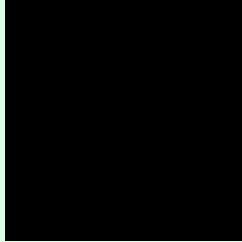
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

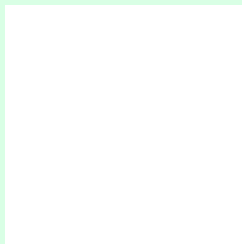
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.5181, 91.9289, 87.7344

## Background



This preview shows how black text looks on a background with the XYZ color 78.5181, 91.9289, 87.7344.



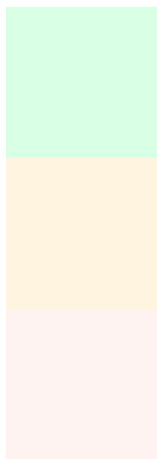
This preview shows how white text looks on a background with the XYZ color 78.5181, 91.9289,

87.7344.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

78.5181, 91.9289, 87.7344

### Protanopia

86.9100, 91.2891, 82.8519

### Deuteranopia

89.1678, 91.7121, 96.2216

## **Tritanopia**

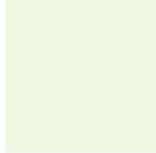
86.2358, 91.7461, 107.7714

# Trichromacy



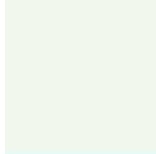
## Original Color

78.5181, 91.9289, 87.7344



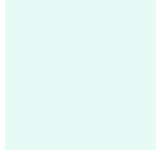
## Protanomaly

83.4336, 91.2718, 84.4540



## Deuteranomaly

84.8225, 91.3367, 93.2799



## Tritanomaly

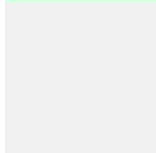
83.4533, 91.8480, 100.5188

# Monochromacy



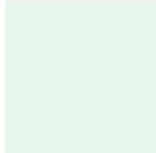
## Original Color

78.5181, 91.9289, 87.7344



## Achromatopsia

83.6081, 87.9622, 95.7909



## Achromatomaly

81.5205, 89.1818, 93.0380

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5181, 91.9289, 87.7344 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(217, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 229)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(217, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5181, 91.9289, 87.7344 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

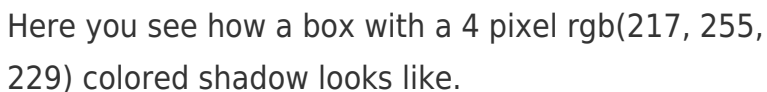
```
.border, #border, table{ border:4px solid rgb(217, 255, 229) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(217, 255, 229) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(217, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.5181, 91.9289, 87.7344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 229) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(217,  
255, 229) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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