

# Converting Colors

XYZ(81.5364, 100.0000,  
80.7477)

Have a look what the booklet for  
XYZ(81.5364, 100.0000, 80.7477)  
contains.

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# **Color**

**XYZ(77.1978, 91.4352,  
79.2256)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAFFD9
RGB	218, 255, 217
RGB Percent	85%, 100%, 85%
CMY	0.1451, 0.0000, 0.1490
CMYK	0.15, 0.00, 0.15, 0.00
HSL	118°, 100%, 93%
HSV	118°, 15%, 100%
XYZ	77.1978, 91.4352, 79.2256
YIQ	239.6050, -9.8540, -19.6620

# Conversions

## Conversions Part 2

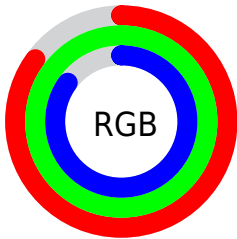
Format	Color
R <sub>Y</sub> B	217, 255, 254
Decimal	14352345
CIE Lab	96.59, -18.79, 14.23
CIE LCh	97, 23.571, 142.857
Yxy	91.4352, 0.3115, 0.3689
Android (android.graphics.Color)	4292542425 (0xFFDAFFD9)
YUV	239.6050, -11.1443, -18.9476
Hunter-Lab	95.6218, -23.2306, 17.8116

# Details

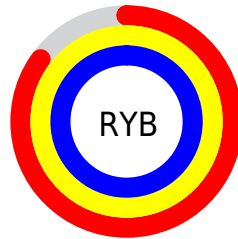
The XYZ color **77.1978, 91.4352, 79.2256** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.7367, 77.9177, 105.2340**, and the grayscale version is **82.6050, 86.9069, 94.6416**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8199, 50.7833, 41.7804** is the 20% darker color. If you saturate the color by 10%, you get **67.2555, 86.6638, 62.7634**, and if you desaturate by 10%, it is **88.7663, 96.9856, 98.4418**.

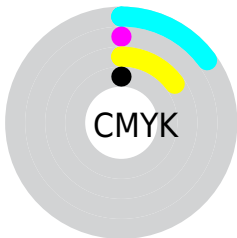
# Distribution



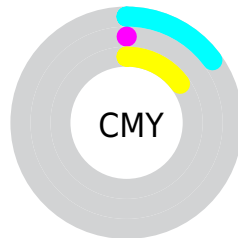
- Red (85%)
- Green (100%)
- Blue (85%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1978, 91.4352, 79.2256 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 77.1978, 91.4352, 79.2256 by changing the saturation by 10% instead.



77.1978, 91.4352,  
79.2256

77.1978, 91.4352,  
79.2256

474.3198,  
532.6885, 511.9570

57.7157, 69.1716,  
58.5589

128.3900,  
149.3304, 134.0780

41.8225, 50.8515,  
41.8405

160.8309,  
185.7307, 169.1007

29.1528, 36.0904,  
28.6518

198.3220,  
227.6121, 209.7459

19.3413, 24.5040,  
18.5742

241.2288,  
275.3589, 256.4320

12.0226, 15.7079,  
11.1893

289.9167,  
329.3556, 309.5776

6.8314, 9.3177,  
6.0786

344.7509,

3.4023, 4.9490,

389.9865, 369.6013

2.8234

406.0968,  
457.6360, 436.9216

■ 1.3699, 2.2174,  
1.0052

■ 0.2346, 0.7294,  
0.0000

■ 77.1978, 91.4352,  
79.2256

■ 77.1978, 91.4352,  
79.2256

■ 67.2555, 86.6638,  
62.7634

■ 88.7663, 96.9856,  
98.4418

■ 58.8646, 82.6357,  
48.9251

95.0500, 100.0000,  
108.9000

■ 51.9475, 79.3138,  
37.5766

■ 46.4190, 76.6575,  
28.5701

■ 42.1855, 74.6217,  
21.7421

■ 39.1415, 73.1563,  
16.9084

■ 37.1651, 72.2030,  
13.8542

■ 36.1084, 71.6912,  
12.3155

■ 35.8439, 71.5633,  
11.9239

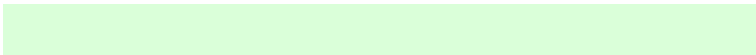
# Harmonies

## Analogous

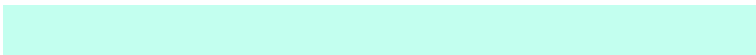
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0797, 91.4352, 69.7382



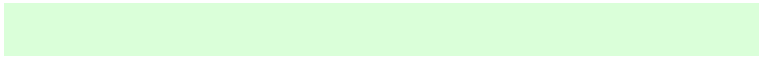
77.1978, 91.4352, 79.2256



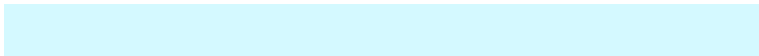
74.9372, 91.4352, 95.1156

# Triad

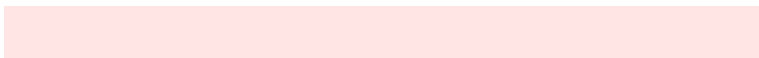
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1978, 91.4352, 79.2256



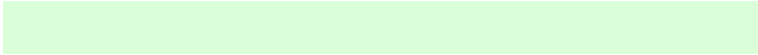
85.3413, 91.4352, 140.0527



99.1055, 91.4352, 86.1240

# Complementary

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



77.1978, 91.4352, 79.2256



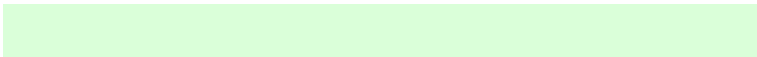
83.7367, 77.9177, 105.2340

# 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.



100.0868, 91.4352, 104.1353



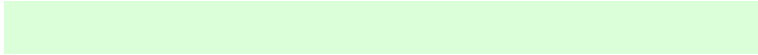
77.1978, 91.4352, 79.2256



91.9187, 91.4352, 136.8553

# Square

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



77.1978, 91.4352, 79.2256



79.4823, 91.4352, 131.3556



97.3967, 91.4352, 123.1002

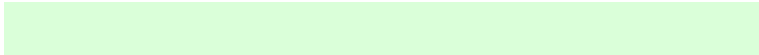


94.7790, 91.4352, 73.3558

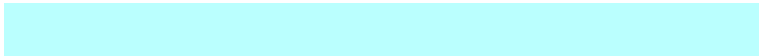


# Rectangle

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



77.1978, 91.4352, 79.2256



75.1359, 91.4352, 107.8476



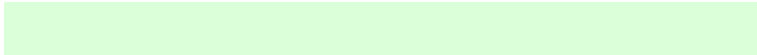
97.3967, 91.4352, 123.1002



99.8461, 91.4352, 91.7033

# Sweetspot

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



77.1985, 91.4355, 79.2270



89.8909, 97.5251, 100.3127



89.1219, 96.9844, 79.6696



19.0392, 20.7779, 21.1364



0.0000, 0.0000, 0.0000

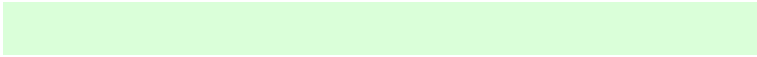


20.3446, 21.4041, 23.3091

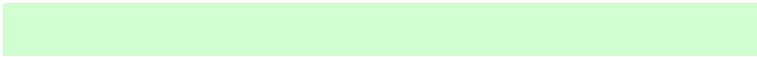


# Same Dimension

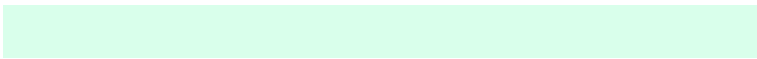
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1985, 91.4355, 79.2270



73.9469, 89.8752, 73.8368



79.3329, 92.2548, 92.0219



17.8157, 20.1909, 19.1026



18.7483, 37.4032, 6.2314



1.8403, 3.6495, 0.6074



# Inverse Universe

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



83.7367, 77.9177, 105.2340



81.6723, 73.9018, 104.5676



81.3786, 77.0168, 90.9025



18.7427, 18.2746, 22.7895



29.7348, 14.2393, 50.6159

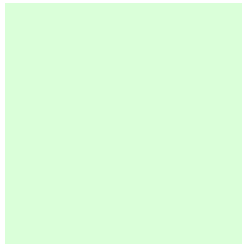


2.9095, 1.3938, 4.9290



# Previews

## White Background



This preview shows how the XYZ color 77.1978, 91.4352, 79.2256 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

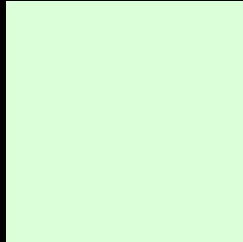
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.1978, 91.4352, 79.2256 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

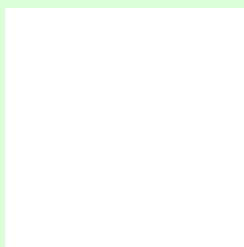
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.1978, 91.4352, 79.2256**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.1978, 91.4352, 79.2256.



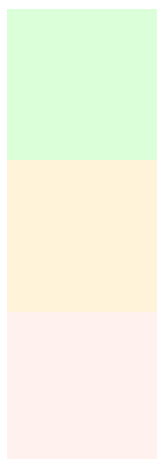
This preview shows how white text looks on a background with the XYZ color 77.1978, 91.4352,

79.2256.

# 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

77.1978, 91.4352, 79.2256

### Protanopia

86.1151, 90.9711, 78.6661

### Deuteranopia

88.4247, 90.9373, 93.7811



## Tritanopia

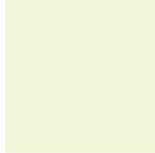
85.9308, 91.1361, 107.6697

# Trichromacy



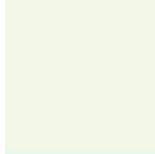
## Original Color

77.1978, 91.4352, 79.2256



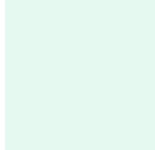
## Protanomaly

82.7097, 91.0218, 78.8553



## Deuteranomaly

84.1616, 91.1119, 88.0135



## Tritanomaly

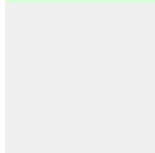
82.3860, 90.9252, 96.4272

# Monochromacy



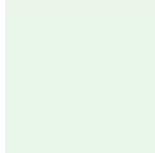
## Original Color

77.1978, 91.4352, 79.2256



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

80.4966, 88.2868, 89.1424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.1978, 91.4352, 79.2256 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(218, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 217)  
}
```

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(218, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 77.1978, 91.4352, 79.2256 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(218, 255, 217) }
```



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

```
.border{ border-color:rgb(218, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.1978, 91.4352, 79.2256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 217) }
```

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

```
.background{ background-color: rgb(218,  
255, 217) }
```

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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