

# Converting Colors

XYZ(78.2290, 91.6326, 94.3690)

Have a look what the booklet for  
XYZ(78.2290, 91.6326, 94.3690)  
contains.

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# Color

**XYZ(78.3440, 91.6901,  
94.4577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FFEE
RGB	212, 255, 238
RGB Percent	83%, 100%, 93%
CMY	0.1686, 0.0000, 0.0667
CMYK	0.17, 0.00, 0.07, 0.00
HSL	156°, 100%, 92%
HSV	156°, 17%, 100%
XYZ	78.3440, 91.6901, 94.4577
YIQ	240.2050, -20.1710, -14.4030

# Conversions

## Conversions Part 2

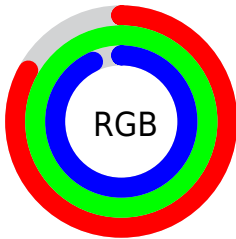
Format	Color
<b>R<sub>YB</sub></b>	212, 239, 255
Decimal	13959150
CIE <sub>Lab</sub>	96.69, -16.94, 3.55
CIE <sub>LCh</sub>	97, 17.311, 168.156
Yxy	91.6901, 0.2962, 0.3467
Android (android.graphics.Color)	4292149230 (0xFFD4FFEE)
YUV	240.2050, -1.0871, -24.7358
Hunter-Lab	95.7549, -21.5275, 8.5417

# Details

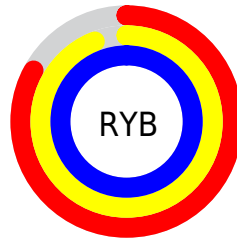
The XYZ color **78.3440, 91.6901, 94.4577** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.9269, 74.0052, 84.2534**, and the grayscale version is **83.0042, 87.3269, 95.0990**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5422, 50.9337, 51.8449** is the 20% darker color. If you saturate the color by 10%, you get **70.1245, 87.6192, 86.5576**, and if you desaturate by 10%, it is **87.8090, 96.3935, 102.8519**.

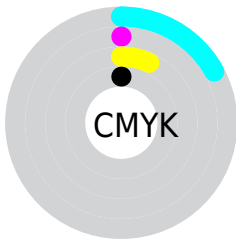
# Distribution



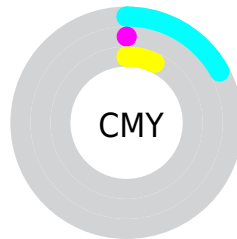
- Red (83%)
- Green (100%)
- Blue (93%)



- Red (83%)
- Yellow (94%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3440, 91.6901, 94.4577 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 78.3440, 91.6901, 94.4577 by changing the saturation by 10% instead.




 78.3440, 91.6901,  
94.4577

 78.3440, 91.6901,  
94.4577


478.1563,  
533.5135, 563.3673

 58.6604, 69.3833,  
71.0893


129.9977,  
149.6838, 155.5043

 42.5851, 51.0239,  
51.9328


162.6986,  
186.1395, 194.0196

 29.7528, 36.2276,  
36.5696


200.4692,  
228.0802, 238.4210

 19.7982, 24.6100,  
24.5813

243.6749,  
275.8903, 289.1269

 12.3558, 15.7868,  
15.5492

292.6811,  
329.9544, 346.5560

 7.0604, 9.3734,  
9.0548

347.8532,

 3.5466, 4.9855,

390.6566, 411.1267

4.6797

409.5564,  
458.3815, 483.2576

■ 1.4490, 2.2388,  
2.0051

■ 0.2907, 0.7410,  
0.5584

■ 78.3440, 91.6901,  
94.4577

■ 78.3440, 91.6901,  
94.4577

■ 70.1245, 87.6192,  
86.5576

■ 87.8090, 96.3935,  
102.8519

■ 63.0924, 84.1509,  
79.1376

95.0500, 100.0000,  
108.9000

■ 57.1882, 81.2549,  
72.1891

■ 52.3467, 78.8975,  
65.7018

■ 48.4951, 77.0416,  
59.6646

■ 45.5512, 75.6449,  
54.0659

■ 43.4189, 74.6579,  
48.8931

■ 41.9764, 74.0181,  
44.1322

■ 41.6088, 73.8595,  
42.7191

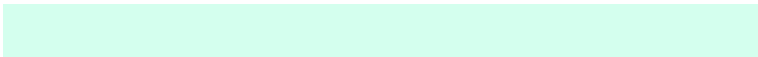
# Harmonies

## Analogous

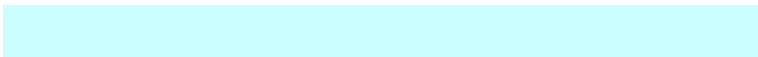
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3902, 91.6901, 83.0708



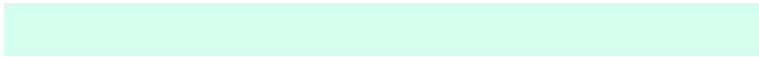
78.3440, 91.6901, 94.4577



78.5916, 91.6901, 108.3830

# Triad

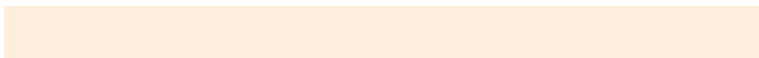
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3440, 91.6901, 94.4577



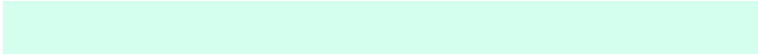
90.0845, 91.6901, 127.3979



93.5133, 91.6901, 81.2462

# Complementary

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



78.3440, 91.6901, 94.4577



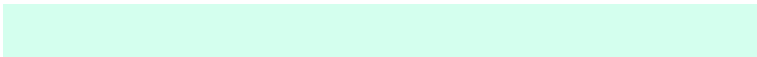
78.9269, 74.0052, 84.2534

# 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.



96.3054, 91.6901, 91.7485



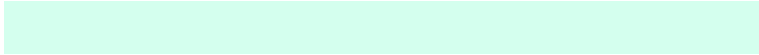
78.3440, 91.6901, 94.4577



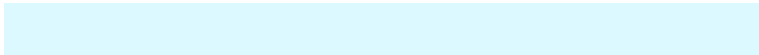
94.2758, 91.6901, 118.7151

# Square

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



78.3440, 91.6901, 94.4577



85.2503, 91.6901, 128.2947



96.5895, 91.6901, 105.4125

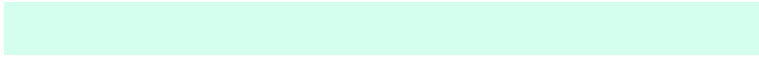


89.0750, 91.6901, 75.9297



# Rectangle

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



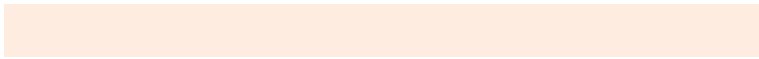
78.3440, 91.6901, 94.4577



80.0255, 91.6901, 117.2449



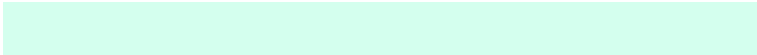
96.5895, 91.6901, 105.4125



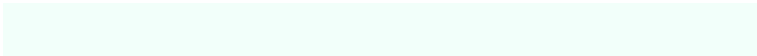
94.6825, 91.6901, 84.2399

# Sweetspot

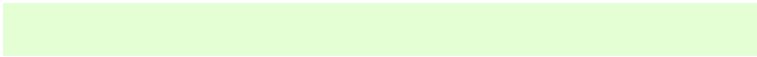
The Sweet Spot groups the original color and five complimentary colors.



78.3449, 91.6905, 94.4592



89.7128, 97.3411, 104.4696



80.0213, 92.9647, 76.0151



19.0473, 20.7579, 22.2297



0.0000, 0.0000, 0.0000

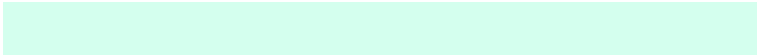


20.3446, 21.4041, 23.3091

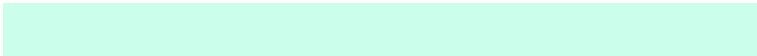


# Same Dimension

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



78.3449, 91.6905, 94.4592



75.6339, 90.3462, 91.9272



79.6056, 90.0246, 107.7886



18.2329, 20.3527, 21.5295



21.8171, 38.6234, 22.7199



2.1781, 3.7822, 2.4957



# Inverse Universe

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



78.9269, 74.0052, 84.2534



76.3093, 69.8363, 80.0938



77.7572, 75.2801, 72.7210



18.3068, 18.1060, 20.2326



22.8396, 11.6251, 7.8060



2.2758, 1.1527, 1.0337



# Previews

## White Background



This preview shows how the XYZ color 78.3440, 91.6901, 94.4577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

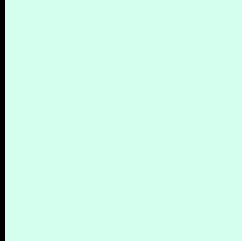
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.3440, 91.6901, 94.4577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

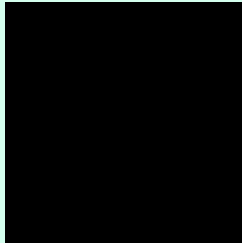
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

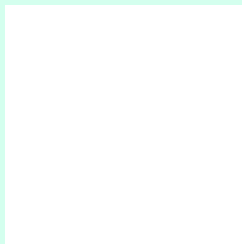
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.3440, 91.6901, 94.4577**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.3440, 91.6901, 94.4577.



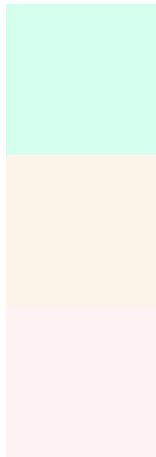
This preview shows how white text looks on a background with the XYZ color 78.3440, 91.6901,

94.4577.

# 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

78.3440, 91.6901, 94.4577

### Protanopia

87.0611, 91.2230, 89.3631

### Deuteranopia

89.3213, 91.2959, 98.5021



## Tritanopia

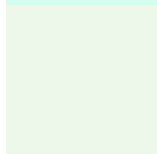
85.5717, 91.4037, 107.7403

# Trichromacy



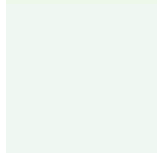
## Original Color

78.3440, 91.6901, 94.4577



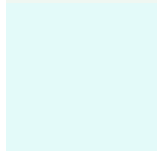
## Protanomaly

83.3437, 91.0798, 91.0294



## Deuteranomaly

84.8844, 91.2831, 97.1499



## Tritanomaly

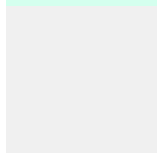
82.9630, 91.5417, 102.9192

# Monochromacy



## Original Color

78.3440, 91.6901, 94.4577



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

80.8655, 88.3598, 94.4544

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.3440, 91.6901, 94.4577 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(212, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 238)  
}
```

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(212, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 78.3440, 91.6901, 94.4577 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(212, 255, 238) }
```



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

```
.border{ border-color:rgb(212, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.3440, 91.6901, 94.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 238) }
```

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

```
.background{ background-color: rgb(212,  
255, 238) }
```

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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