

Converting Colors

XYZ(61.9452, 100.0000,
84.5493)

Have a look what the booklet for
XYZ(61.9452, 100.0000, 84.5493)
contains.

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Color

**XYZ(50.7978, 77.7646,
80.7394)**

Conversions

Conversions Part 1

Format	Color
Hex	3EFFDD
RGB	62, 255, 221
RGB Percent	24%, 100%, 87%
CMY	0.7568, 0.0000, 0.1333
CMYK	0.76, 0.00, 0.13, 0.00
HSL	169°, 100%, 62%
HSV	169°, 76%, 100%
XYZ	50.7978, 77.7646, 80.7394
YIQ	193.4170, -104.1140, -51.4900

Conversions

Conversions Part 2

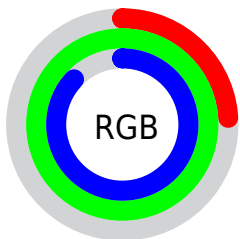
Format	Color
RYB	62, 168, 255
Decimal	4128733
CIELab	90.67, -54.03, 2.89
CIElCh	91, 54.109, 176.935
Yxy	77.7646, 0.2427, 0.3715
Android (android.graphics.Color)	4282318813 (0xFF3EFFDD)
YUV	193.4170, 13.5984, -115.2527
Hunter-Lab	88.1842, -51.4990, 7.4444

Details

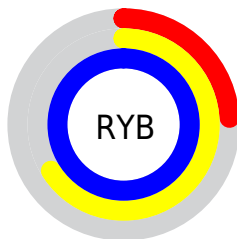
The XYZ color **50.7978, 77.7646, 80.7394** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **45.0750, 25.5512, 13.6248**, and the grayscale version is **50.9019, 53.5528, 58.3190**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **26.8492, 42.6857, 42.9005** is the 20% darker color. If you saturate the color by 10%, you get **48.9662, 76.8886, 77.5720**, and if you desaturate by 10%, it is **53.3966, 79.0342, 84.0290**.

Distribution



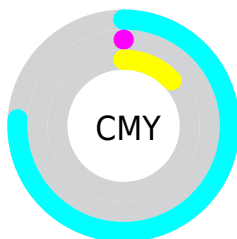
- Red (24%)
- Green (100%)
- Blue (87%)



- Red (24%)
- Yellow (66%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7978, 77.7646, 80.7394 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 50.7978, 77.7646, 80.7394 by changing the saturation by 10% instead.


 50.7978, 77.7646,
80.7394

 50.7978, 77.7646,
80.7394


380.1783,
487.3670, 517.1935

 36.2681, 57.8806,
59.7973


 90.5406, 130.2182,
136.2256


 24.8124, 41.7127,
42.8310


 116.4844,
163.5567, 171.6067

 16.0653, 28.8764,
29.4221


 146.9636,
202.1487, 212.6378

 9.6615, 18.9873,
19.1521

 182.3436,
246.3788, 259.7376

 5.2357, 11.6611,
11.6023

222.9897,
296.6313, 313.3245

 2.4224, 6.5134,
6.3542

269.2673,

 0.8563, 3.1597,

353.2905, 373.8171

2.9894

321.5417,
416.7410, 441.6339

■ 0.0000, 1.2157,
1.0892

■ 0.0000, 0.0744,
0.0000

■ 50.7978, 77.7646,
80.7394

■ 50.7978, 77.7646,
80.7394

■ 48.9662, 76.8886,
77.5720

■ 53.3966, 79.0342,
84.0290

■ 47.7840, 76.3456,
74.5167

■ 56.8526, 80.7439,
87.4416

■ 47.4025, 76.1770,
73.2288

■ 61.2463, 82.9351,
90.9830

■ 66.6479, 85.6440,
94.6571

■ 73.1211, 88.9034,
98.4674

■ 80.7241, 92.7434,
102.4173

■ 89.5108, 97.1916,
106.5100

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



54.1301, 77.7646, 50.0937



50.7978, 77.7646, 80.7394



53.0045, 77.7646, 123.2371

Triad

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



50.7978, 77.7646, 80.7394



86.3746, 77.7646, 170.3012



89.0834, 77.7646, 36.2151

Complementary

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



50.7978, 77.7646, 80.7394



45.0750, 25.5512, 13.6248

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.



99.7028, 77.7646, 55.1308



50.7978, 77.7646, 80.7394



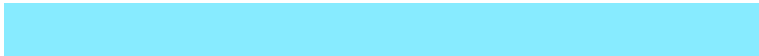
98.0093, 77.7646, 132.3405

Square

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



50.7978, 77.7646, 80.7394



72.5265, 77.7646, 183.3693



103.1522, 77.7646, 88.7312



75.3168, 77.7646, 29.8233

Rectangle

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



50.7978, 77.7646, 80.7394



57.4883, 77.7646, 151.8472



103.1522, 77.7646, 88.7312



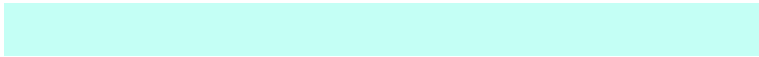
93.2011, 77.7646, 40.9685

Sweetspot

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



50.7987, 77.7651, 80.7408



75.0469, 89.8751, 99.5128



41.6015, 74.4309, 16.7331



15.5119, 18.9589, 20.9989



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.



50.7987, 77.7651, 80.7408



48.2652, 76.5628, 75.9334



39.3040, 46.7778, 101.5652



18.4094, 20.4233, 22.4590



24.8190, 39.8242, 38.5275



2.4509, 3.8913, 3.9324

Inverse Universe

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



45.0750, 25.5512, 13.6248



42.4660, 22.2390, 6.8794



49.2082, 35.8048, 8.8765



18.1400, 18.0393, 19.3543



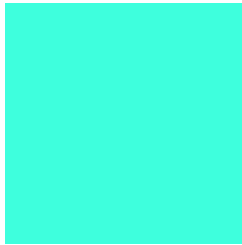
21.8331, 11.2225, 2.5056



2.1599, 1.1063, 0.4234

Previews

White Background



This preview shows how the XYZ color 50.7978, 77.7646, 80.7394 looks on a white background.

Color Contrast Check

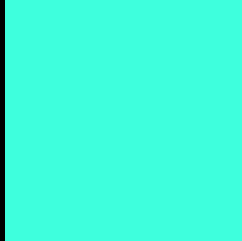
Large Text (above 18pt) WCAG AA × Fail

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 50.7978, 77.7646, 80.7394 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

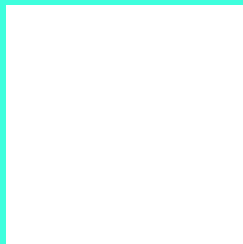
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7978, 77.7646, 80.7394

Background



This preview shows how black text looks on a background with the XYZ color 50.7978, 77.7646, 80.7394.



This preview shows how white text looks on a background with the XYZ color 50.7978, 77.7646,

Color Blindness Simulation

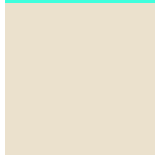
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



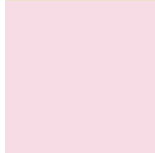
Original Color

50.7978, 77.7646, 80.7394



Protanopia

72.2056, 75.9204, 68.6061



Deuteranopia

77.8321, 76.0943, 84.7142



Tritanopia

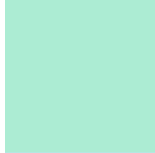
62.8317, 77.0006, 106.1588

Trichromacy



Original Color

50.7978, 77.7646, 80.7394



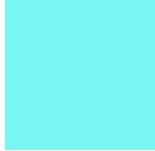
Protanomaly

58.7666, 73.4647, 72.7108



Deuteranomaly

61.4065, 72.9075, 82.7876



Tritanomaly

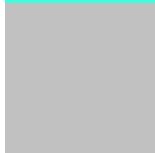
57.0186, 76.4475, 96.5447

Monochromacy



Original Color

50.7978, 77.7646, 80.7394



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.0124, 59.4433, 65.4958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7978, 77.7646, 80.7394 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(62, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(62, 255, 221)  
}
```

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(62, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 50.7978, 77.7646, 80.7394 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(62, 255, 221) }
```


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

```
.border{ border-color:rgb(62, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(62, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7978, 77.7646, 80.7394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 255, 221) }
```

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

```
.background{ background-color: rgb(62, 255,  
221) }
```

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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