

Converting Colors

XYZ(51.8817, 78.3176, 81.0519)

Have a look what the booklet for
XYZ(51.8817, 78.3176, 81.0519)
contains.

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Color

**XYZ(51.8717, 78.3182,
80.7896)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFFDD
RGB	77, 255, 221
RGB Percent	30%, 100%, 87%
CMY	0.6980, 0.0000, 0.1333
CMYK	0.70, 0.00, 0.13, 0.00
HSL	169°, 100%, 65%
HSV	169°, 70%, 100%
XYZ	51.8717, 78.3182, 80.7896
YIQ	197.9020, -95.1740, -48.3100

Conversions

Conversions Part 2

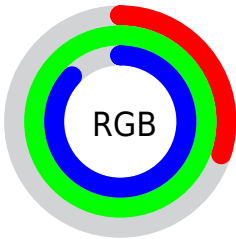
Format	Color
RYB	77, 175, 255
Decimal	5111773
CIELab	90.92, -52.28, 3.29
CIELCh	91, 52.385, 176.398
Yxy	78.3182, 0.2459, 0.3712
Android (android.graphics.Color)	4283301853 (0xFF4DFFDD)
YUV	197.9020, 11.3873, -106.0311
Hunter-Lab	88.4976, -50.2453, 7.8223

Details

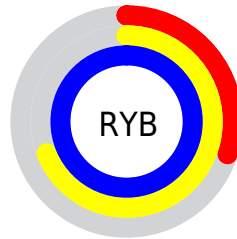
The XYZ color **51.8717, 78.3182, 80.7896** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.7641, 27.7168, 17.9259**, and the grayscale version is **53.5925, 56.3834, 61.4016**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **26.8492, 42.6857, 42.9005** is the 20% darker color. If you saturate the color by 10%, you get **49.5626, 77.2017, 77.3439**, and if you desaturate by 10%, it is **55.0073, 79.8586, 84.3750**.

Distribution



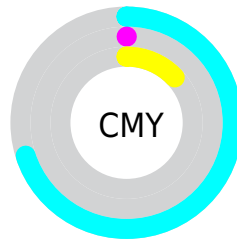
- Red (30%)
- Green (100%)
- Blue (87%)



- Red (30%)
- Yellow (69%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8717, 78.3182, 80.7896 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 51.8717, 78.3182, 80.7896 by changing the saturation by 10% instead.

 51.8717, 78.3182,
80.7896


 51.8717, 78.3182,
80.7896


384.2732,
489.2468, 517.3666


 37.1267, 58.3354,
59.8383


 92.1173, 130.9986,
136.2967


 25.4797, 42.0784,
42.8639


 118.3487,
164.4650, 171.6896

 16.5654, 29.1627,
29.4477


 149.1395,
203.1947, 212.7336

 10.0185, 19.2039,
19.1713

 184.8551,
247.5721, 259.8470

 5.4736, 11.8177,
11.6161

225.8610,
297.9816, 313.4485

 2.5653, 6.6197,
6.3635

272.5224,

 0.9283, 3.2254,

354.8076, 373.9565

2.9950

325.2046,
418.4346, 441.7898

0.0000, 1.2505,
1.0921

0.0000, 0.1024,
0.0000

51.8717, 78.3182,
80.7896

51.8717, 78.3182,
80.7896

49.5626, 77.2017,
77.3439

55.0073, 79.8586,
84.3750

47.9768, 76.4559,
74.0282

59.0509, 81.8649,
88.1006

46.9544, 75.9985,
70.8355

64.0773, 84.3756,
91.9722

46.9362, 75.9905,
70.7729

70.1527, 87.4248,
95.9935

■ 77.3372, 91.0436,
100.1682

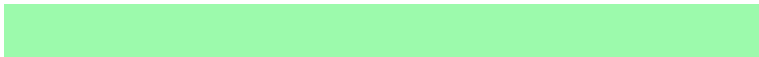
■ 85.6867, 95.2607,
104.4997

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.



55.2362, 78.3182, 51.0401



51.8717, 78.3182, 80.7896



53.9395, 78.3182, 121.8505

Triad

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



51.8717, 78.3182, 80.7896



86.3043, 78.3182, 168.3676



89.3883, 78.3182, 37.9277

Complementary

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



51.8717, 78.3182, 80.7896



46.7641, 27.7168, 17.9259

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.



99.5681, 78.3182, 56.8663



51.8717, 78.3182, 80.7896



97.6449, 78.3182, 132.1630

Square

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



51.8717, 78.3182, 80.7896



72.8559, 78.3182, 180.3447



102.7537, 78.3182, 89.9238



76.0451, 78.3182, 31.3549

Rectangle

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



51.8717, 78.3182, 80.7896



58.2706, 78.3182, 149.4912



102.7537, 78.3182, 89.9238



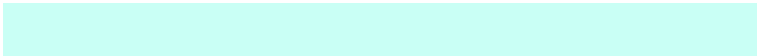
93.3519, 78.3182, 42.7231

Sweetspot

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



51.8726, 78.3187, 80.7910



76.4151, 90.5786, 99.6593



43.8594, 75.5406, 19.2919



15.9151, 19.1653, 21.0822



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.



51.8726, 78.3187, 80.7910



48.8151, 76.8467, 75.9359



42.1386, 50.8529, 102.2024



18.3973, 20.4185, 22.3952



24.5782, 39.7279, 37.2598



2.4296, 3.8828, 3.8200

Inverse Universe

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



46.7641, 27.7168, 17.9259



43.5382, 23.4369, 10.1548



50.6166, 37.8694, 11.6645



18.1511, 18.0438, 19.4129



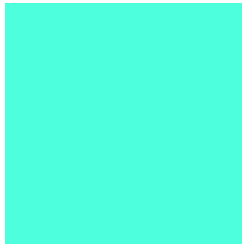
21.8754, 11.2394, 2.7283



2.1656, 1.1086, 0.4534

Previews

White Background



This preview shows how the XYZ color 51.8717, 78.3182, 80.7896 looks on a white background.

Color Contrast Check

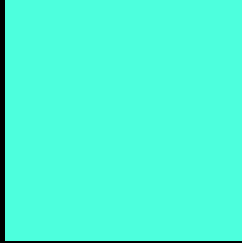
Large Text (above 18pt) WCAG AA × Fail

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 51.8717, 78.3182, 80.7896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

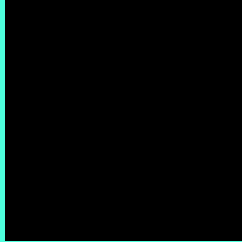
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8717, 78.3182, 80.7896

Background



This preview shows how black text looks on a background with the XYZ color 51.8717, 78.3182, 80.7896.



This preview shows how white text looks on a background with the XYZ color 51.8717, 78.3182,

Color Blindness Simulation

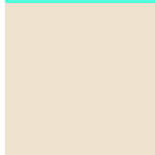
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



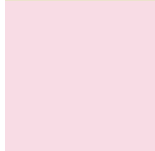
Original Color

51.8717, 78.3182, 80.7896



Protanopia

72.8079, 76.6334, 68.7119



Deuteranopia

78.4475, 76.8000, 84.8180



Tritanopia

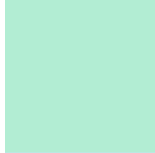
63.8034, 77.5015, 106.2042

Trichromacy



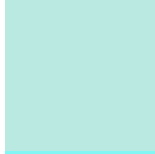
Original Color

51.8717, 78.3182, 80.7896



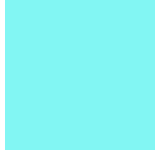
Protanomaly

60.4022, 74.7365, 72.8701



Deuteranomaly

63.1161, 74.2079, 82.9485



Tritanomaly

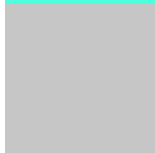
58.1867, 77.0497, 96.5993

Monochromacy



Original Color

51.8717, 78.3182, 80.7896



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.7985, 61.9893, 67.7330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8717, 78.3182, 80.7896 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(77, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 51.8717, 78.3182, 80.7896 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(77, 255, 221) }
```


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

```
.border{ border-color:rgb(77, 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(77, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8717, 78.3182, 80.7896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 221) }
```

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

```
.background{ background-color: rgb(77, 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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