

Converting Colors

XYZ(51.1926, 78.0423, 77.4063)

Have a look what the booklet for
XYZ(51.1926, 78.0423, 77.4063)
contains.

| | |
|--|----|
| XYZ(51.2152, 78.0556, 77.3327) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(51.2152, 78.0556,
77.3327)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4DFFD8 |
| RGB | 77, 255, 216 |
| RGB Percent | 30%, 100%, 85% |
| CMY | 0.6980, 0.0000, 0.1529 |
| CMYK | 0.70, 0.00, 0.15, 0.00 |
| HSL | 167°, 100%, 65% |
| HSV | 167°, 70%, 100% |
| XYZ | 51.2152, 78.0556, 77.3327 |
| YIQ | 197.3320, -93.5690, -49.8650 |

Conversions

Conversions Part 2

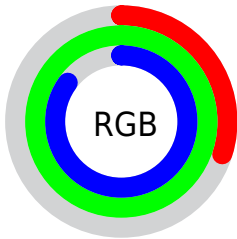
| Format | Color |
|-------------------------------------|---|
| RYB | 77, 177, 255 |
| Decimal | 5111768 |
| CIELab | 90.81, -53.50, 5.70 |
| CIElCh | 91, 53.800, 173.913 |
| Yxy | 78.0556, 0.2479, 0.3778 |
| Android (android.graphics.Color) | 4283301848 (0xFF4DFFD8) |
| YUV | 197.3320, 9.2033, -105.5312 |
| Hunter-Lab | 88.3491, -51.1360, 9.9473 |

Details

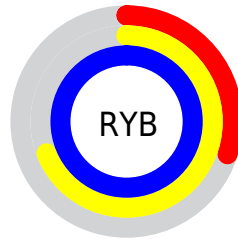
The XYZ color **51.2152, 78.0556, 77.3327** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **47.0471, 27.8299, 19.4167**, and the grayscale version is **53.2591, 56.0327, 61.0196**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **26.3993, 42.5057, 40.5313** is the 20% darker color. If you saturate the color by 10%, you get **48.8356, 76.9109, 73.5156**, and if you desaturate by 10%, it is **54.4270, 79.6264, 81.3197**.

Distribution



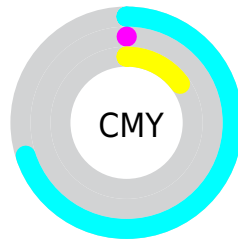
- Red (30%)
- Green (100%)
- Blue (85%)



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



- Cyan (70%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2152, 78.0556, 77.3327 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 51.2152, 78.0556, 77.3327 by changing the saturation by 10% instead.


 51.2152, 78.0556,
77.3327


 51.2152, 78.0556,
77.3327


381.7732,
488.3556, 505.3654


 36.6016, 58.1197,
57.0128


 91.1539, 130.6285,
131.3863


 25.0715, 41.9049,
40.6061


 117.2097,
164.0342, 165.9571

 16.2593, 29.0268,
27.6940

 147.8104,
202.6987, 206.1152

 9.7999, 19.1011,
17.8581

 183.3212,
247.0063, 252.2793

 5.3277, 11.7433,
10.6798

224.1075,
297.3414, 304.8678

 2.4775, 6.5692,
5.7405

270.5347,

 0.8839, 3.1942,

354.0884, 364.2993

2.6217

322.9682,
417.6316, 430.9923

■ 0.0000, 1.2339,
0.9036

■ 0.0000, 0.0891,
0.0000

■ 51.2152, 78.0556,
77.3327

■ 51.2152, 78.0556,
77.3327

■ 48.8356, 76.9109,
73.5156

■ 54.4270, 79.6264,
81.3197

■ 47.1849, 76.1392,
69.8583

■ 58.5527, 81.6656,
85.4775

■ 46.1032, 75.6580,
66.3532

■ 63.6670, 84.2115,
89.8123

■ 46.0839, 75.6496,
66.2848

■ 69.8363, 87.2982,
94.3284

■ 77.1208, 90.9570,
99.0297

■ 85.5763, 95.2165,
103.9201

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.



55.0928, 78.0556, 48.2307



51.2152, 78.0556, 77.3327



52.8619, 78.0556, 118.9010

Triad

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



51.2152, 78.0556, 77.3327



85.2400, 78.0556, 172.8918



90.5884, 78.0556, 37.8857

Complementary

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



51.2152, 78.0556, 77.3327



47.0471, 27.8299, 19.4167

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.



100.5974, 78.0556, 58.2292



51.2152, 78.0556, 77.3327



97.2563, 78.0556, 136.8485

Square

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



51.2152, 78.0556, 77.3327



71.4655, 78.0556, 182.6618



103.1746, 78.0556, 93.1353



76.9818, 78.0556, 30.3532

Rectangle

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



51.2152, 78.0556, 77.3327



56.9853, 78.0556, 147.8292



103.1746, 78.0556, 93.1353



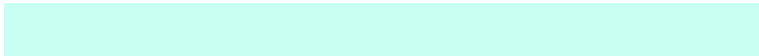
94.5486, 78.0556, 43.0868

Sweetspot

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



51.2161, 78.0561, 77.3341



76.1866, 90.4872, 98.4561



44.6445, 75.9453, 19.3285



15.8602, 19.1434, 20.7931



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.



51.2161, 78.0561, 77.3341



48.0602, 76.5448, 71.9606



43.5539, 53.6836, 102.6742



18.3745, 20.4093, 22.2748



24.1380, 39.5518, 34.9414



2.3904, 3.8671, 3.6135

Inverse Universe

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



47.0471, 27.8299, 19.4167



43.7764, 23.5322, 11.4091



49.8468, 36.3299, 11.4077



18.1723, 18.0522, 19.5243



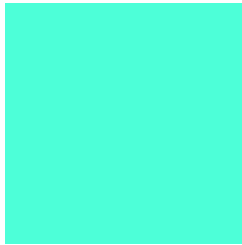
21.9650, 11.2753, 3.2000



2.1772, 1.1132, 0.5144

Previews

White Background



This preview shows how the XYZ color 51.2152, 78.0556, 77.3327 looks on a white background.

Color Contrast Check

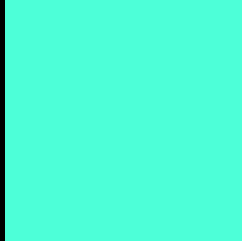
Large Text (above 18pt) WCAG AA × Fail

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 51.2152, 78.0556, 77.3327 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 51.2152, 78.0556, 77.3327

Background



This preview shows how black text looks on a background with the XYZ color 51.2152, 78.0556, 77.3327.

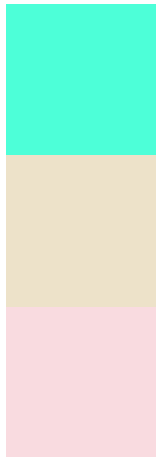


This preview shows how white text looks on a background with the XYZ color 51.2152, 78.0556,

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

51.2152, 78.0556, 77.3327

Protanopia

72.6640, 76.6143, 66.2166

Deuteranopia

77.8530, 76.1846, 81.1228



Tritanopia

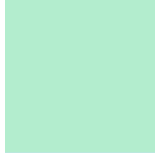
63.4099, 77.2987, 106.1858

Trichromacy



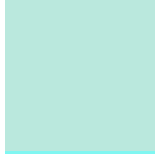
Original Color

51.2152, 78.0556, 77.3327



Protanomaly

60.0152, 74.6083, 69.6302



Deuteranomaly

62.1575, 73.3728, 79.2929



Tritanomaly

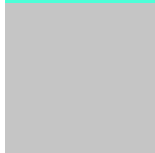
57.7350, 76.8516, 95.0100

Monochromacy



Original Color

51.2152, 78.0556, 77.3327



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.1074, 61.2747, 66.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2152, 78.0556, 77.3327 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 51.2152, 78.0556, 77.3327 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, 216) }
```


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

```
.border{ border-color:rgb(77, 255, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2152, 78.0556, 77.3327 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, 216) }
```

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

```
.background{ background-color: rgb(77, 255,  
216) }
```

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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