

Converting Colors

XYZ(51.2242, 78.0440, 77.6395)

Have a look what the booklet for
XYZ(51.2242, 78.0440, 77.6395)
contains.

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Color

**XYZ(51.1352, 78.0144,
77.3289)**

Conversions

Conversions Part 1

Format	Color
Hex	4CFFD8
RGB	76, 255, 216
RGB Percent	30%, 100%, 85%
CMY	0.7019, 0.0000, 0.1529
CMYK	0.70, 0.00, 0.15, 0.00
HSL	167°, 100%, 65%
HSV	167°, 70%, 100%
XYZ	51.1352, 78.0144, 77.3289
YIQ	197.0330, -94.1650, -50.0770

Conversions

Conversions Part 2

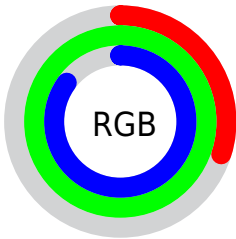
Format	Color
RYB	76, 176, 255
Decimal	5046232
CIELab	90.79, -53.63, 5.68
CIELCh	91, 53.927, 173.959
Yxy	78.0144, 0.2477, 0.3778
Android (android.graphics.Color)	4283236312 (0xFF4CFFD8)
YUV	197.0330, 9.3507, -106.1459
Hunter-Lab	88.3258, -51.2295, 9.9198

Details

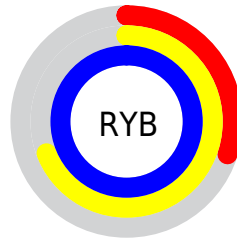
The XYZ color **51.1352, 78.0144, 77.3289** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.9199, 27.6680, 19.0891**, and the grayscale version is **53.0779, 55.8421, 60.8121**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **26.3993, 42.5057, 40.5313** is the 20% darker color. If you saturate the color by 10%, you get **48.7891, 76.8865, 73.5337**, and if you desaturate by 10%, it is **54.3095, 79.5664, 81.2924**.

Distribution



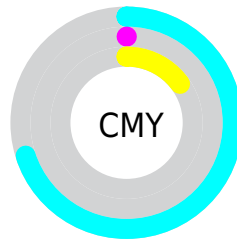
- Red (30%)
- Green (100%)
- Blue (85%)



- 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 51.1352, 78.0144, 77.3289 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 51.1352, 78.0144, 77.3289 by changing the saturation by 10% instead.

 51.1352, 78.0144,
77.3289

 51.1352, 78.0144,
77.3289


381.4679,
488.2157, 505.3521


 36.5377, 58.0858,
57.0097


 91.0364, 130.5704,
131.3809


 25.0218, 41.8776,
40.6036


 117.0708,
163.9666, 165.9508

 16.2221, 29.0055,
27.6921


 147.6482,
202.6209, 206.1079

 9.7733, 19.0850,
17.8567

 183.1340,
246.9175, 252.2709

 5.3100, 11.7317,
10.6788

223.8935,
297.2409, 304.8583

 2.4669, 6.5613,
5.7398

270.2920,

 0.8786, 3.1893,

353.9754, 364.2886

2.6213

322.6951,
417.5056, 430.9804

■ 0.0000, 1.2313,
0.9034

■ 0.0000, 0.0871,
0.0000

■ 51.1352, 78.0144,
77.3289

■ 51.1352, 78.0144,
77.3289

■ 48.7891, 76.8865,
73.5337

■ 54.3095, 79.5664,
81.2924

■ 47.1673, 76.1293,
69.8966

■ 58.3945, 81.5850,
85.4251

■ 46.1202, 75.6641,
66.4758

■ 63.4651, 84.1089,
89.7332

■ 69.5878, 87.1723,
94.2209

■ 76.8232, 90.8064,
98.8922

■ 85.2273, 95.0400,
103.7510

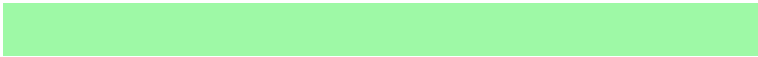
94.8521, 99.9000,
108.8007

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.



55.0099, 78.0144, 48.1621



51.1352, 78.0144, 77.3289



52.7927, 78.0144, 119.0026

Triad

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



51.1352, 78.0144, 77.3289



85.2453, 78.0144, 173.0392



90.5657, 78.0144, 37.7561

Complementary

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



51.1352, 78.0144, 77.3289



46.9199, 27.6680, 19.0891

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.



100.6079, 78.0144, 58.0965



51.1352, 78.0144, 77.3289



97.2836, 78.0144, 136.8628

Square

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



51.1352, 78.0144, 77.3289



71.4412, 78.0144, 182.8891



103.2047, 78.0144, 93.0442



76.9271, 78.0144, 30.2395

Rectangle

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



51.1352, 78.0144, 77.3289



56.9275, 78.0144, 148.0032



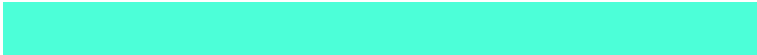
103.2047, 78.0144, 93.0442



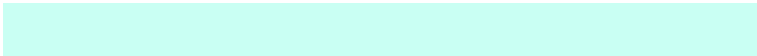
94.5376, 78.0144, 42.9534

Sweetspot

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



51.1361, 78.0148, 77.3303



76.1965, 90.4912, 98.5083



44.5052, 75.8776, 19.1392



15.8626, 19.1443, 20.8056



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.



51.1361, 78.0148, 77.3303



48.0924, 76.5577, 72.1306



43.4092, 53.5129, 102.6489



18.3754, 20.4097, 22.2801



24.1567, 39.5593, 35.0402



2.3920, 3.8677, 3.6223

Inverse Universe

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



46.9199, 27.6680, 19.0891



43.7656, 23.5279, 11.3523



49.7198, 36.1320, 11.1927



18.1713, 18.0518, 19.5194



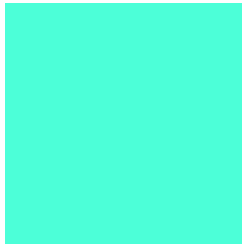
21.9608, 11.2736, 3.1781



2.1766, 1.1130, 0.5117

Previews

White Background



This preview shows how the XYZ color 51.1352, 78.0144, 77.3289 looks on a white background.

Color Contrast Check

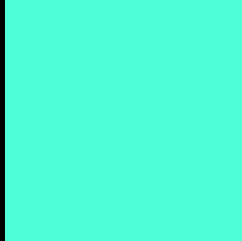
Large Text (above 18pt) WCAG AA × Fail

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 51.1352, 78.0144, 77.3289 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

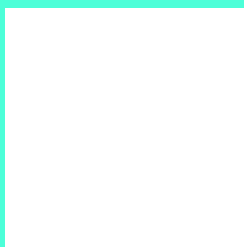
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1352, 78.0144, 77.3289

Background



This preview shows how black text looks on a background with the XYZ color 51.1352, 78.0144, 77.3289.

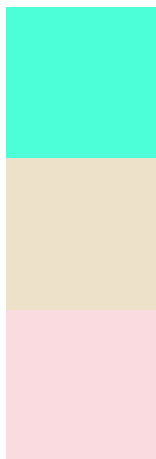


This preview shows how white text looks on a background with the XYZ color 51.1352, 78.0144,

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

51.1352, 78.0144, 77.3289

Protanopia

72.6640, 76.6143, 66.2166

Deuteranopia

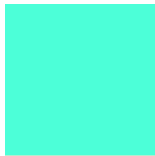
77.8530, 76.1846, 81.1228



Tritanopia

63.4099, 77.2987, 106.1858

Trichromacy



Original Color

51.1352, 78.0144, 77.3289



Protanomaly

59.7849, 74.4896, 69.6195



Deuteranomaly

62.1575, 73.3728, 79.2929



Tritanomaly

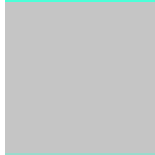
57.7350, 76.8516, 95.0100

Monochromacy



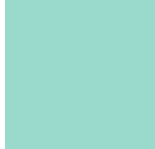
Original Color

51.1352, 78.0144, 77.3289



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 51.1352, 78.0144, 77.3289 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(76, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 51.1352, 78.0144, 77.3289 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(76, 255, 216) }
```


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

```
.border{ border-color:rgb(76, 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(76, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1352, 78.0144, 77.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 216) }
```

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

```
.background{ background-color: rgb(76, 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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