

Converting Colors

XYZ(52.5196, 78.5583, 85.0651)

Have a look what the booklet for
XYZ(52.5196, 78.5583, 85.0651)
contains.

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Color

**XYZ(52.5268, 78.5619,
85.0686)**

Conversions

Conversions Part 1

Format	Color
Hex	4BFFE3
RGB	75, 255, 227
RGB Percent	29%, 100%, 89%
CMY	0.7058, 0.0000, 0.1098
CMYK	0.71, 0.00, 0.11, 0.00
HSL	171°, 100%, 65%
HSV	171°, 71%, 100%
XYZ	52.5268, 78.5619, 85.0686
YIQ	197.9880, -98.2920, -46.8680

Conversions

Conversions Part 2

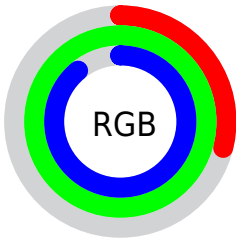
Format	Color
RYB	75, 173, 255
Decimal	4980707
CIELab	91.04, -51.05, 0.34
CIElCh	91, 51.047, 179.618
Yxy	78.5619, 0.2430, 0.3634
Android (android.graphics.Color)	4283170787 (0xFF4BFFE3)
YUV	197.9880, 14.3029, -107.8605
Hunter-Lab	88.6352, -49.3292, 5.1404

Details

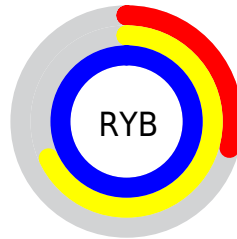
The XYZ color **52.5268, 78.5619, 85.0686** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.2053, 27.2729, 15.6628**, and the grayscale version is **53.6291, 56.4220, 61.4435**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **27.4126, 42.9111, 45.8676** is the 20% darker color. If you saturate the color by 10%, you get **50.3754, 77.5153, 82.1439**, and if you desaturate by 10%, it is **55.4914, 80.0262, 88.0999**.

Distribution



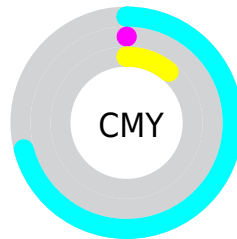
- Red (29%)
- Green (100%)
- Blue (89%)



- Red (29%)
- Yellow (68%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5268, 78.5619, 85.0686 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 52.5268, 78.5619, 85.0686 by changing the saturation by 10% instead.


 52.5268, 78.5619,
85.0686

 52.5268, 78.5619,
85.0686


386.7576,
490.0730, 532.0055

 37.6511, 58.5357,
63.3476


 93.0773, 131.3419,
142.3440


 25.8880, 42.2395,
45.6797


 119.4829,
164.8645, 178.7355

 16.8721, 29.2888,
31.6463


 150.4624,
203.6547, 220.8543

 10.2381, 19.2994,
20.8289

 186.3813,
248.0968, 269.1188

 5.6206, 11.8868,
12.8090

227.6050,
298.5753, 323.9476

 2.6542, 6.6667,
7.1679

274.4986,

 0.9737, 3.2545,

355.4746, 385.7594

3.4873

327.4278,
419.1790, 454.9725

0.0000, 1.2660,
1.3485

0.0000, 0.1147,
0.1011

52.5268, 78.5619,
85.0686

52.5268, 78.5619,
85.0686

50.3754, 77.5153,
82.1439

55.4914, 80.0262,
88.0999

48.9322, 76.8324,
79.3165

59.3516, 81.9507,
91.2381

48.0687, 76.4435,
76.7369

64.1827, 84.3743,
94.4884

70.0514, 87.3313,
97.8544

■ 77.0182, 90.8529,
101.3393

■ 85.1392, 94.9680,
104.9462

94.4664, 99.7035,
108.6779

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.



55.2648, 78.5619, 54.4280



52.5268, 78.5619, 85.0686



55.1298, 78.5619, 125.6368

Triad

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



52.5268, 78.5619, 85.0686



87.6023, 78.5619, 163.2781



87.9208, 78.5619, 37.7545

Complementary

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



52.5268, 78.5619, 85.0686



46.2053, 27.2729, 15.6628

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.



98.3568, 78.5619, 55.0361



52.5268, 78.5619, 85.0686



98.1585, 78.5619, 126.6979

Square

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



52.5268, 78.5619, 85.0686



74.5058, 78.5619, 177.9674



102.2992, 78.5619, 86.0142



74.8359, 78.5619, 32.3818

Rectangle

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



52.5268, 78.5619, 85.0686



59.7363, 78.5619, 151.8059



102.2992, 78.5619, 86.0142



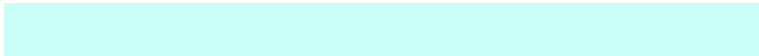
91.9073, 78.5619, 42.0618

Sweetspot

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



52.5278, 78.5624, 85.0700



76.7062, 90.6950, 101.1921



42.8569, 75.0319, 18.8821



15.9851, 19.1933, 21.4510



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.



52.5278, 78.5624, 85.0700



49.6576, 77.1724, 80.8837



40.4682, 47.7479, 101.6911



18.4263, 20.4300, 22.5478



25.1626, 39.9616, 40.3373



2.4813, 3.9034, 4.0922

Inverse Universe

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



46.2053, 27.2729, 15.6628



43.1097, 23.1297, 8.3174



51.1752, 39.0978, 11.5077



18.1245, 18.0331, 19.2730



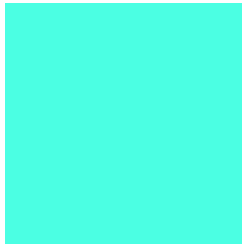
21.7799, 11.2013, 2.2257



2.1525, 1.1034, 0.3843

Previews

White Background



This preview shows how the XYZ color 52.5268, 78.5619, 85.0686 looks on a white background.

Color Contrast Check

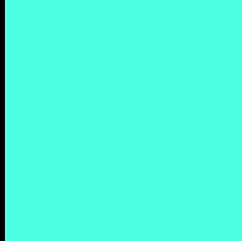
Large Text (above 18pt) WCAG AA × Fail

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 52.5268, 78.5619, 85.0686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

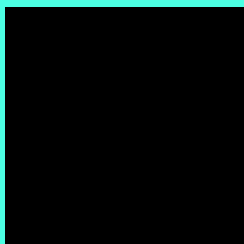
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

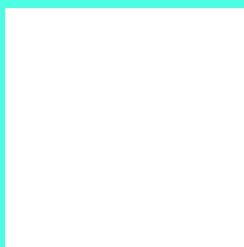
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.5268, 78.5619, 85.0686

Background



This preview shows how black text looks on a background with the XYZ color 52.5268, 78.5619, 85.0686.

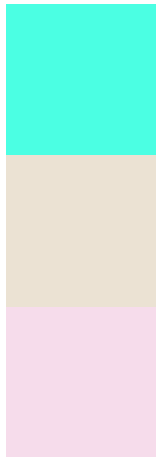


This preview shows how white text looks on a background with the XYZ color 52.5268, 78.5619,

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

52.5268, 78.5619, 85.0686

Protanopia

73.2152, 76.7580, 72.5849

Deuteranopia

78.5946, 76.7774, 89.2744



Tritanopia

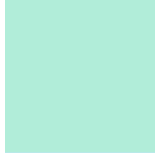
64.0025, 77.6042, 106.2136

Trichromacy



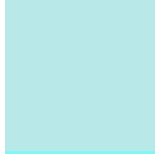
Original Color

52.5268, 78.5619, 85.0686



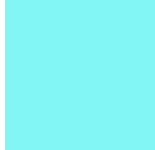
Protanomaly

60.9400, 74.9252, 76.8958



Deuteranomaly

63.4716, 74.2944, 87.3389



Tritanomaly

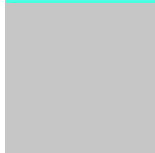
58.4905, 77.1712, 98.1990

Monochromacy



Original Color

52.5268, 78.5619, 85.0686



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.9770, 62.0388, 69.6622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5268, 78.5619, 85.0686 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(75, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(75, 255, 227)  
}
```

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(75, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 52.5268, 78.5619, 85.0686 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(75, 255, 227) }
```


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

```
.border{ border-color:rgb(75, 255, 227) }
```

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

Here you see how a box with a 4 pixel rgb(75, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(75, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5268, 78.5619, 85.0686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 255, 227) }
```

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

```
.background{ background-color: rgb(75, 255,  
227) }
```

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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