

Converting Colors

XYZ(52.7986, 78.8569, 78.0838)

Have a look what the booklet for
XYZ(52.7986, 78.8569, 78.0838)
contains.

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Color

**XYZ(52.7986, 78.8569,
78.0838)**

Conversions

Conversions Part 1

Format	Color
Hex	5DFFD9
RGB	93, 255, 217
RGB Percent	36%, 100%, 85%
CMY	0.6353, 0.0000, 0.1490
CMYK	0.64, 0.00, 0.15, 0.00
HSL	166°, 100%, 68%
HSV	166°, 64%, 100%
XYZ	52.7986, 78.8569, 78.0838
YIQ	202.2300, -84.3540, -46.1620

Conversions

Conversions Part 2

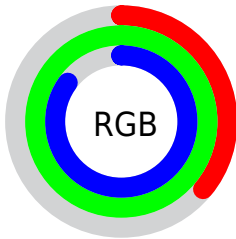
Format	Color
R_{YB}	93, 185, 255
Decimal	6160345
CIE _{Lab}	91.17, -50.92, 5.76
CIE _{LCh}	91, 51.240, 173.549
Yxy	78.8569, 0.2517, 0.3760
Android (android.graphics.Color)	4284350425 (0xFF5DFFD9)
YUV	202.2300, 7.2816, -95.7947
Hunter-Lab	88.8014, -49.2718, 10.0268

Details

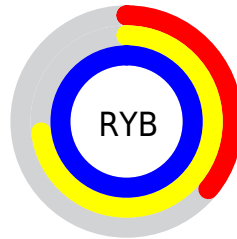
The XYZ color **52.7986, 78.8569, 78.0838** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **49.2519, 30.7286, 24.8096**, and the grayscale version is **56.2770, 59.2077, 64.4772**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **26.4878, 42.5411, 40.9976** is the 20% darker color. If you saturate the color by 10%, you get **49.8701, 77.4355, 73.9597**, and if you desaturate by 10%, it is **56.6172, 80.7339, 82.3995**.

Distribution



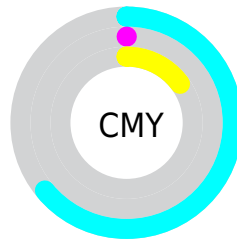
- Red (36%)
- Green (100%)
- Blue (85%)



- Red (36%)
- Yellow (73%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7986, 78.8569, 78.0838 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 52.7986, 78.8569, 78.0838 by changing the saturation by 10% instead.

 52.7986, 78.8569,
78.0838


 52.7986, 78.8569,
78.0838


387.7855,
491.0721, 507.9868


 37.8689, 58.7782,
57.6260


 93.4752, 131.7574,
132.4552


 26.0577, 42.4346,
41.0953


 119.9528,
165.3479, 167.2058

 16.9997, 29.4417,
28.0733


 151.0104,
204.2112, 207.5578

 10.3296, 19.4152,
18.1414

 187.0133,
248.7316, 253.9297

 5.6820, 11.9707,
10.8811

228.3269,
299.2934, 306.7400

 2.6915, 6.7237,
5.8737

275.3166,

 0.9928, 3.2899,

356.2812, 366.4072

2.7009

328.3476,
420.0793, 433.3500

0.0000, 1.2849,
0.9439

0.0000, 0.1295,
0.0000

52.7986, 78.8569,
78.0838

52.7986, 78.8569,
78.0838

49.8701, 77.4355,
73.9597

56.6172, 80.7339,
82.3995

47.7393, 76.4220,
70.0173

61.4007, 83.1050,
86.9077

46.2980, 75.7609,
66.2512

67.2187, 86.0062,
91.6146

45.6314, 75.4686,
63.9020

74.1337, 89.4695,
96.5245

■ 82.2032, 93.5246,
101.6416

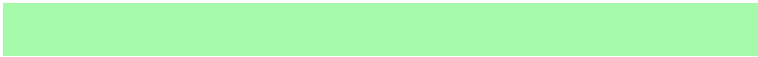
■ 91.4804, 98.1988,
106.9697

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.



56.6256, 78.8569, 50.0303



52.7986, 78.8569, 78.0838



54.3327, 78.8569, 117.6800

Triad

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



52.7986, 78.8569, 78.0838



85.3644, 78.8569, 169.4016



90.7679, 78.8569, 40.2681

Complementary

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



52.7986, 78.8569, 78.0838



49.2519, 30.7286, 24.8096

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.



100.2196, 78.8569, 60.3676



52.7986, 78.8569, 78.0838



96.8568, 78.8569, 135.6780

Square

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



52.7986, 78.8569, 78.0838



72.1837, 78.8569, 178.1963



102.5671, 78.8569, 94.1398



77.7884, 78.8569, 32.6448

Rectangle

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



52.7986, 78.8569, 78.0838



58.2881, 78.8569, 145.0782



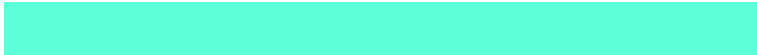
102.5671, 78.8569, 94.1398



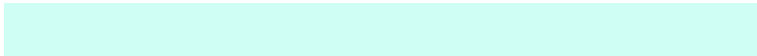
94.5208, 78.8569, 45.4513

Sweetspot

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



52.7995, 78.8573, 78.0852



77.6404, 91.2302, 98.8150



47.4888, 77.3382, 22.7822



16.1380, 19.2858, 20.8396



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.



52.7995, 78.8573, 78.0852



49.2726, 77.1488, 72.9679



46.7386, 57.8949, 103.3192



18.3619, 20.4043, 22.2087



23.9040, 39.4582, 33.7096



2.3694, 3.8587, 3.5032

Inverse Universe

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



49.2519, 30.7286, 24.8096



45.5554, 25.6732, 16.3703



51.6729, 38.9640, 15.1548



18.1839, 18.0569, 19.5858



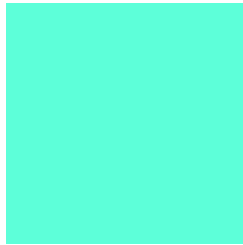
22.0198, 11.2972, 3.4886



2.1840, 1.1160, 0.5505

Previews

White Background



This preview shows how the XYZ color 52.7986, 78.8569, 78.0838 looks on a white background.

Color Contrast Check

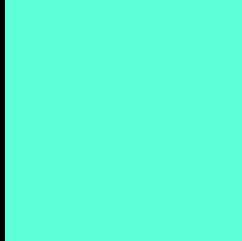
Large Text (above 18pt) WCAG AA × Fail

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 52.7986, 78.8569, 78.0838 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

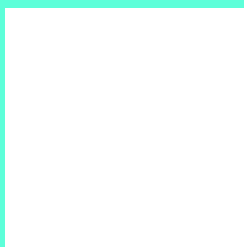
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.7986, 78.8569, 78.0838

Background



This preview shows how black text looks on a background with the XYZ color 52.7986, 78.8569, 78.0838.

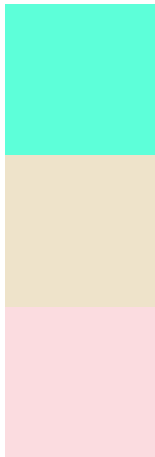


This preview shows how white text looks on a background with the XYZ color 52.7986, 78.8569,

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

52.7986, 78.8569, 78.0838

Protanopia

73.3897, 77.3796, 66.9448

Deuteranopia

78.8314, 77.0774, 81.2436



Tritanopia

64.8151, 78.0231, 106.2516

Trichromacy



Original Color

52.7986, 78.8569, 78.0838



Protanomaly

61.5543, 75.3877, 70.3385



Deuteranomaly

64.4382, 74.9676, 79.4806



Tritanomaly

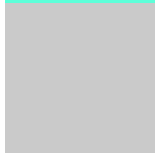
59.3142, 77.6657, 95.0839

Monochromacy



Original Color

52.7986, 78.8569, 78.0838



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.0192, 63.8993, 68.6236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7986, 78.8569, 78.0838 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(93, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 217)  
}
```

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(93, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 52.7986, 78.8569, 78.0838 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(93, 255, 217) }
```


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

```
.border{ border-color:rgb(93, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7986, 78.8569, 78.0838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 217) }
```

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

```
.background{ background-color: rgb(93, 255,  
217) }
```

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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