

Converting Colors

XYZ(52.5716, 78.5713, 85.6900)

Have a look what the booklet for
XYZ(52.5716, 78.5713, 85.6900)
contains.

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Color

**XYZ(52.5876, 78.5773,
85.7941)**

Conversions

Conversions Part 1

Format	Color
Hex	4AFFE4
RGB	74, 255, 228
RGB Percent	29%, 100%, 89%
CMY	0.7098, 0.0000, 0.1059
CMYK	0.71, 0.00, 0.11, 0.00
HSL	171°, 100%, 65%
HSV	171°, 71%, 100%
XYZ	52.5876, 78.5773, 85.7941
YIQ	197.8030, -99.2090, -46.7690

Conversions

Conversions Part 2

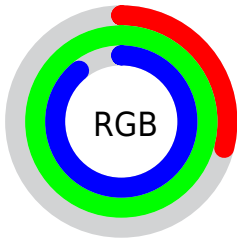
Format	Color
RYB	74, 172, 255
Decimal	4915172
CIELab	91.04, -50.92, -0.17
CIElCh	91, 50.918, 180.191
Yxy	78.5773, 0.2424, 0.3622
Android (android.graphics.Color)	4283105252 (0xFF4AFFE4)
YUV	197.8030, 14.8871, -108.5752
Hunter-Lab	88.6438, -49.2323, 4.6668

Details

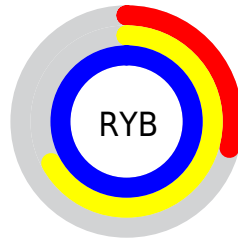
The XYZ color **52.5876, 78.5773, 85.7941** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.0386, 27.0984, 15.1176**, and the grayscale version is **53.5136, 56.3005, 61.3112**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **27.5091, 42.9496, 46.3754** is the 20% darker color. If you saturate the color by 10%, you get **50.4845, 77.5534, 82.9705**, and if you desaturate by 10%, it is **55.4992, 80.0165, 88.7189**.

Distribution



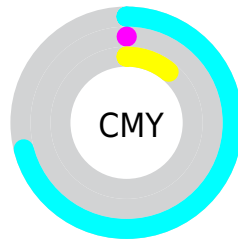
- Red (29%)
- Green (100%)
- Blue (89%)



- Red (29%)
- Yellow (67%)
- 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 52.5876, 78.5773, 85.7941 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 52.5876, 78.5773, 85.7941 by changing the saturation by 10% instead.


 52.5876, 78.5773,
85.7941


 52.5876, 78.5773,
85.7941

386.9877,
490.1252, 534.4650


 37.6998, 58.5483,
63.9438

 93.1664, 131.3636,
143.3661


 25.9259, 42.2496,
46.1593


 119.5880,
164.8898, 179.9249

 16.9006, 29.2968,
32.0219


 150.5851,
203.6837, 222.2237

 10.2585, 19.3055,
21.1133

 186.5228,
248.1300, 270.6808

 5.6343, 11.8912,
13.0148

227.7665,
298.6128, 325.7150

 2.6625, 6.6696,
7.3079

274.6817,

 0.9779, 3.2564,

355.5167, 387.7448

3.5740

327.6336,
419.2261, 457.1886

■ 0.0000, 1.2670,
1.3947

■ 0.0000, 0.1154,
0.1376

■ 52.5876, 78.5773,
85.7941

■ 52.5876, 78.5773,
85.7941

■ 50.4845, 77.5534,
82.9705

■ 55.4992, 80.0165,
88.7189

■ 49.0841, 76.8905,
80.2387

■ 59.3023, 81.9141,
91.7452

■ 48.2795, 76.5278,
77.8467

■ 64.0726, 84.3088,
94.8781

■ 69.8769, 87.2353,
98.1212

■ 76.7761, 90.7248,
101.4776

■ 84.8262, 94.8063,
104.9505

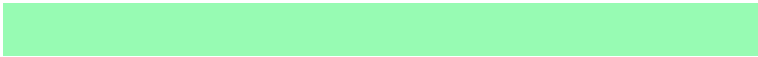
■ 94.0795, 99.5066,
108.5425

■ 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.



55.2195, 78.5773, 54.9625



52.5876, 78.5773, 85.7941



55.2871, 78.5773, 126.3384

Triad

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



52.5876, 78.5773, 85.7941



87.8228, 78.5773, 162.5219



87.6635, 78.5773, 37.6481

Complementary

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



52.5876, 78.5773, 85.7941



46.0386, 27.0984, 15.1176

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.



98.1609, 78.5773, 54.6580



52.5876, 78.5773, 85.7941



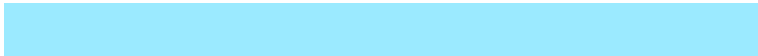
98.2601, 78.5773, 125.8078

Square

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



52.5876, 78.5773, 85.7941



74.7680, 78.5773, 177.7045



102.2405, 78.5773, 85.3210



74.6028, 78.5773, 32.4839

Rectangle

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



52.5876, 78.5773, 85.7941



59.9472, 78.5773, 152.2993



102.2405, 78.5773, 85.3210



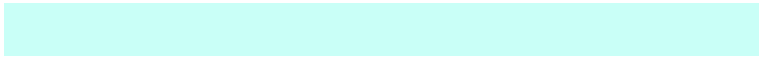
91.6605, 78.5773, 41.8735

Sweetspot

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



52.5886, 78.5777, 85.7955



76.7589, 90.7161, 101.4698



42.3808, 74.7903, 18.6824



15.9978, 19.1984, 21.5179



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.



52.5886, 78.5777, 85.7955



49.8431, 77.2467, 81.8606



39.6482, 46.2232, 101.4400



18.4315, 20.4321, 22.5753



25.2713, 40.0051, 40.9096



2.4908, 3.9073, 4.1426

Inverse Universe

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



46.0386, 27.0984, 15.1176



43.0651, 23.1119, 8.0824



51.4726, 39.7471, 11.4391



18.1198, 18.0312, 19.2479



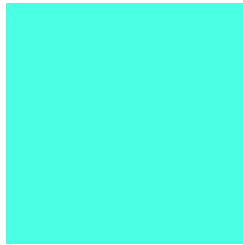
21.7648, 11.1952, 2.1458



2.1502, 1.1025, 0.3725

Previews

White Background



This preview shows how the XYZ color 52.5876, 78.5773, 85.7941 looks on a white background.

Color Contrast Check

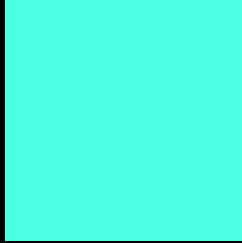
Large Text (above 18pt) WCAG AA × Fail

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 52.5876, 78.5773, 85.7941 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

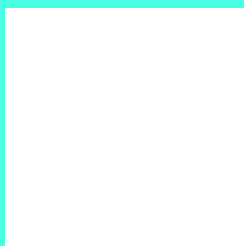
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.5876, 78.5773, 85.7941

Background



This preview shows how black text looks on a background with the XYZ color 52.5876, 78.5773, 85.7941.



This preview shows how white text looks on a background with the XYZ color 52.5876, 78.5773,

Color Blindness Simulation

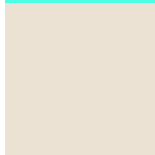
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



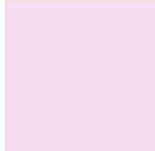
Original Color

52.5876, 78.5773, 85.7941



Protanopia

73.3410, 76.8083, 73.2474



Deuteranopia

78.7396, 76.8354, 90.0376



Tritanopia

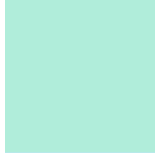
63.8034, 77.5015, 106.2042

Trichromacy



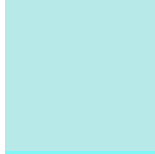
Original Color

52.5876, 78.5773, 85.7941



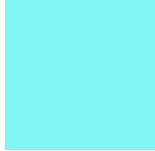
Protanomaly

60.8436, 74.8604, 77.5724



Deuteranomaly

63.3753, 74.2283, 88.0781



Tritanomaly

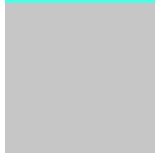
58.3393, 77.0933, 98.1919

Monochromacy



Original Color

52.5876, 78.5773, 85.7941



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 52.5876, 78.5773, 85.7941 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(74, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 228)  
}
```

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(74, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 52.5876, 78.5773, 85.7941 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(74, 255, 228) }
```


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

```
.border{ border-color:rgb(74, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5876, 78.5773, 85.7941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 228) }
```

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

```
.background{ background-color: rgb(74, 255,  
228) }
```

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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