

# Converting Colors

XYZ(52.7764, 73.6146, 97.2955)

Have a look what the booklet for  
XYZ(52.7764, 73.6146, 97.2955)  
contains.

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# Color

**XYZ(52.8193, 73.8149,  
97.0518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56F5F4
RGB	86, 245, 244
RGB Percent	34%, 96%, 96%
CMY	0.6627, 0.0392, 0.0431
CMYK	0.65, 0.00, 0.00, 0.04
HSL	180°, 89%, 65%
HSV	180°, 65%, 96%
XYZ	52.8193, 73.8149, 97.0518
YIQ	197.3450, -94.4430, -34.0190

# Conversions

## Conversions Part 2

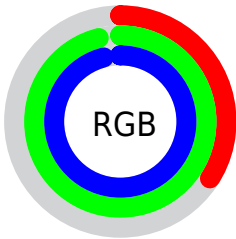
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 166, 245
Decimal	5699060
CIELab	88.83, -40.80, -11.73
CIElCh	89, 42.451, 196.036
Yxy	73.8149, 0.2361, 0.3300
Android (android.graphics.Color)	4283889140 (0xFF56F5F4)
YUV	197.3450, 23.0009, -97.6496
Hunter-Lab	85.9156, -40.6138, -6.8341

# Details

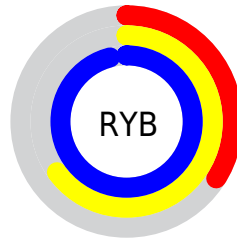
The XYZ color **52.8193, 73.8149, 97.0518** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **42.7068, 26.7585, 11.9332**, and the grayscale version is **53.1881, 55.9580, 60.9383**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **27.0603, 39.5973, 53.7938** is the 20% darker color. If you saturate the color by 10%, you get **50.9154, 72.8378, 96.8420**, and if you desaturate by 10%, it is **55.5004, 75.1960, 97.3014**.

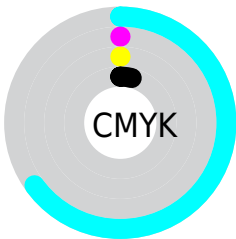
# Distribution



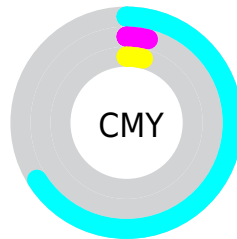
- Red (34%)
- Green (96%)
- Blue (96%)



- Red (34%)
- Yellow (65%)
- Blue (96%)



- Cyan (65%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)




- Cyan (66%)
- Magenta (4%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8193, 73.8149, 97.0518 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 52.8193, 73.8149, 97.0518 by changing the saturation by 10% instead.





 52.8193, 73.8149,  
97.0518

 52.8193, 73.8149,  
97.0518

387.8637,  
473.8343, 571.8642


 37.8854, 54.6426,  
73.2376


 93.5055, 124.6334,  
159.1161


 26.0706, 39.1156,  
53.6772


 119.9886,  
157.0483, 198.2032

 17.0094, 26.8497,  
37.9523


 151.0521,  
194.6462, 243.2185

 10.3366, 17.4604,  
25.6441

 187.0614,  
237.8115, 294.5803

 5.6866, 10.5633,  
16.3342

228.3818,  
286.9285, 352.7072

 2.6943, 5.7740,  
9.6040

275.3788,

 0.9943, 2.7081,

342.3818, 418.0178

5.0351

328.4176,  
404.5555, 490.9306

■ 0.0000, 0.9813,  
2.2088

■ 0.0000, 0.0000,  
0.6794

■ 52.8193, 73.8149,  
97.0518

■ 52.8193, 73.8149,  
97.0518

■ 50.9154, 72.8378,  
96.8420

■ 55.5004, 75.1960,  
97.3014

■ 49.6993, 72.2136,  
96.6628


■ 59.0231, 77.0093,  
97.5888


■ 49.0715, 71.8926,  
96.5113


■ 63.4529, 79.2902,  
97.9188


■ 48.9007, 71.8059,  
96.4410


■ 68.8466, 82.0681,  
98.2939

 75.2568, 85.3699,  
98.7168

 82.7320, 89.2208,  
99.1896

 90.3876, 93.1647,  
99.6709

 90.4112, 93.1741,  
99.7952

 90.4348, 93.1836,  
99.9196

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.6663, 73.8149, 67.4664



52.8193, 73.8149, 97.0518



57.3079, 73.8149, 128.4105

# Triad

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



52.8193, 73.8149, 97.0518



85.3751, 73.8149, 126.4419



75.0394, 73.8149, 36.9905

# Complementary

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



52.8193, 73.8149, 97.0518



42.7068, 26.7585, 11.9332

# 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.



84.8002, 73.8149, 46.1140



52.8193, 73.8149, 97.0518



91.1502, 73.8149, 94.8263

# Square

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



52.8193, 73.8149, 97.0518



75.7639, 73.8149, 148.0065



90.9301, 73.8149, 65.7217



64.8373, 73.8149, 37.3073

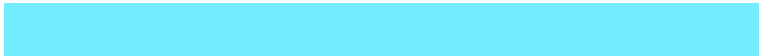


# Rectangle

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



52.8193, 73.8149, 97.0518



62.4302, 73.8149, 144.0196



90.9301, 73.8149, 65.7217



78.5003, 73.8149, 38.9358

# Sweetspot

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



52.8215, 73.8177, 97.0536



79.3674, 91.9210, 107.9097



38.4208, 68.0861, 19.9230



16.5614, 19.4552, 23.0689



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.



52.8215, 73.8177, 97.0536



55.2453, 79.5032, 105.9871



34.3521, 36.6347, 91.6498



16.9920, 18.7559, 21.2421



26.3450, 38.6829, 51.9641



2.3169, 3.4004, 4.5747



# Inverse Universe

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



42.7068, 26.7585, 11.9332



43.4064, 24.3970, 6.3386



52.4093, 46.2286, 14.9668



16.5034, 16.4842, 17.1316



20.2926, 10.4605, 0.9832

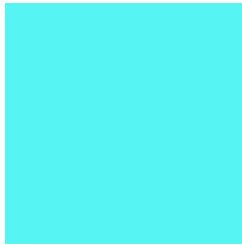


1.7850, 0.9200, 0.0941



# Previews

## White Background



This preview shows how the XYZ color 52.8193, 73.8149, 97.0518 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

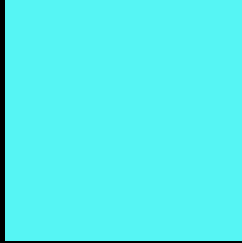
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.8193, 73.8149, 97.0518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

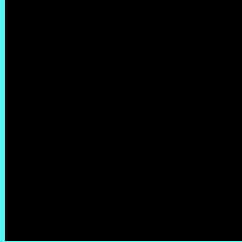
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 52.8193, 73.8149, 97.0518

## Background



This preview shows how black text looks on a background with the XYZ color 52.8193, 73.8149, 97.0518.



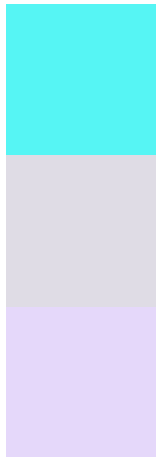
This preview shows how white text looks on a background with the XYZ color 52.8193, 73.8149,



# 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

52.8193, 73.8149, 97.0518

### Protanopia

70.1675, 72.5315, 84.4305

### Deuteranopia

74.1243, 72.6719, 100.5628



## Tritanopia

58.1224, 73.6988, 105.7697

# Trichromacy



## Original Color

52.8193, 73.8149, 97.0518



## Protanomaly

60.1042, 70.8634, 88.3521



## Deuteranomaly

62.5438, 71.0626, 99.2270



## Tritanomaly

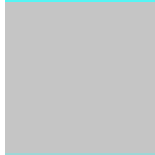
55.8073, 73.4530, 102.5033

# Monochromacy



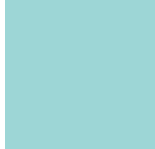
## Original Color

52.8193, 73.8149, 97.0518



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

50.0888, 60.1163, 72.5820

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.8193, 73.8149, 97.0518 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(86, 245, 244)` looks like.

```
.text, #text, p{  
    color:rgb(86, 245, 244)  
}
```

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(86, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 245, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 52.8193, 73.8149, 97.0518 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(86, 245, 244) }
```



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

```
.border{ border-color:rgb(86, 245, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 245, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 245, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 245, 244);  
box-shadow:4px 4px 4px 4px rgb(86, 245,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.8193, 73.8149, 97.0518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 245, 244) }
```

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

```
.background{ background-color: rgb(86, 245,  
244) }
```

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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