

Converting Colors

XYZ(53.1718, 71.9746, 88.0027)

Have a look what the booklet for
XYZ(53.1718, 71.9746, 88.0027)
contains.

XYZ(53.2042, 71.9853, 88.1812)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.2042, 71.9853,
88.1812)**

Conversions

Conversions Part 1

Format	Color
Hex	75F0E9
RGB	117, 240, 233
RGB Percent	46%, 94%, 91%
CMY	0.5412, 0.0588, 0.0863
CMYK	0.51, 0.00, 0.03, 0.06
HSL	177°, 80%, 70%
HSV	177°, 51%, 94%
XYZ	53.2042, 71.9853, 88.1812
YIQ	202.4250, -71.0610, -28.2530

Conversions

Conversions Part 2

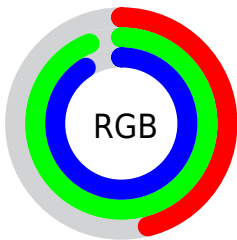
Format	Color
RYB	117, 180, 240
Decimal	7729385
CIELab	87.96, -36.04, -7.18
CIELCh	88, 36.747, 191.268
Yxy	71.9853, 0.2494, 0.3374
Android (android.graphics.Color)	4285919465 (0xFF75F0E9)
YUV	202.4250, 15.0735, -74.9177
Hunter-Lab	84.8442, -36.5432, -2.2311

Details

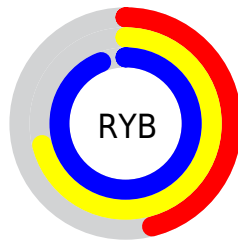
The XYZ color **53.2042, 71.9853, 88.1812** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **45.9370, 32.7052, 22.9629**, and the grayscale version is **56.3469, 59.2814, 64.5574**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **26.1847, 37.7194, 47.4955** is the 20% darker color. If you saturate the color by 10%, you get **50.1897, 70.4554, 87.0266**, and if you desaturate by 10%, it is **57.0510, 73.9474, 89.3858**.

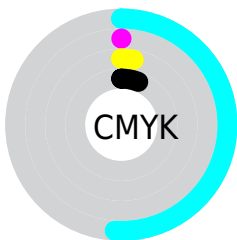
Distribution



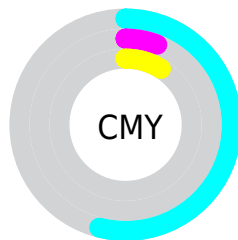
- Red (46%)
- Green (94%)
- Blue (91%)



- Red (46%)
- Yellow (71%)
- Blue (94%)



- Cyan (51%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)





- Cyan (54%)
- Magenta (6%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2042, 71.9853, 88.1812 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 53.2042, 71.9853, 88.1812 by changing the saturation by 10% instead.


 53.2042, 71.9853,
88.1812


 53.2042, 71.9853,
88.1812


389.3161,
467.4904, 542.5131


 38.1939, 53.1467,
65.9080


 94.0685, 122.0356,
146.7228

 26.3111, 37.9199,
47.7417


 120.6533,
154.0161, 183.8281

 17.1905, 25.9205,
33.2638

 151.8270,
191.1460, 226.7147

 10.4665, 16.7642,
22.0559

187.9549,
233.8097, 275.8009

 5.7740, 10.0665,
13.6992

229.4024,
282.3916, 331.5053

 2.7475, 5.4431,
7.7754

276.5349,

 1.0217, 2.5095,

337.2761, 394.2464

3.8659

329.7177,
398.8476, 464.4428

■ 0.0000, 0.8814,
1.5521

■ 0.0000, 0.0000,
0.2563

■ 53.2042, 71.9853,
88.1812

■ 53.2042, 71.9853,
88.1812

■ 50.1897, 70.4554,
87.0266

■ 57.0510, 73.9474,
89.3858

■ 47.9366, 69.3162,
85.9140

■ 61.7813, 76.3632,
90.6380


■ 46.3729, 68.5322,
84.8415


■ 67.4499, 79.2625,
91.9421


■ 45.4099, 68.0577,
83.8049


■ 74.1052, 82.6702,
93.3003


 44.9355, 67.8322,
82.9214

 81.7922, 86.6097,
94.7148

 88.3083, 89.9453,
96.0824

 88.5135, 90.0274,
97.1627

 88.7201, 90.1101,
98.2511

 88.9284, 90.1934,
99.3475

Harmonies

Analogous

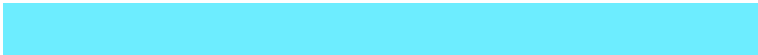
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.6853, 71.9853, 63.8954



53.2042, 71.9853, 88.1812



56.5320, 71.9853, 114.6685

Triad

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



53.2042, 71.9853, 88.1812



80.1333, 71.9853, 120.4832



73.9691, 71.9853, 41.0172

Complementary

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



53.2042, 71.9853, 88.1812



45.9370, 32.7052, 22.9629

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.



81.8673, 71.9853, 50.6898



53.2042, 71.9853, 88.1812



85.6304, 71.9853, 94.9026

Square

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



53.2042, 71.9853, 88.1812



71.7617, 71.9853, 135.7990



86.2907, 71.9853, 69.3329



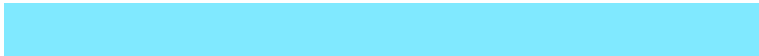
65.1834, 71.9853, 39.9713

Rectangle

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



53.2042, 71.9853, 88.1812



60.6431, 71.9853, 128.7046



86.2907, 71.9853, 69.3329



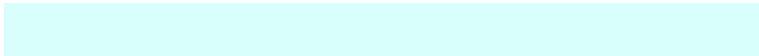
76.8345, 71.9853, 43.2527

Sweetspot

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



53.2063, 71.9881, 88.1829



82.0024, 93.3140, 106.4697



42.8599, 67.9824, 27.6942



17.2055, 19.7957, 22.7183



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.



53.2063, 71.9881, 88.1829



57.6117, 80.8608, 99.8764



40.7733, 45.4892, 89.0725



16.2062, 17.9125, 20.1089



24.6146, 37.1379, 45.4811



2.0595, 3.0942, 3.8456

Inverse Universe

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



45.9370, 32.7052, 22.9629



48.4677, 31.3584, 17.7710



53.5797, 48.6743, 23.4024



15.8093, 15.7734, 16.5519



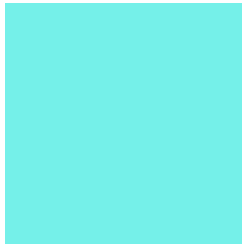
19.7288, 10.1639, 1.2222



1.6540, 0.8506, 0.1687

Previews

White Background



This preview shows how the XYZ color 53.2042, 71.9853, 88.1812 looks on a white background.

Color Contrast Check

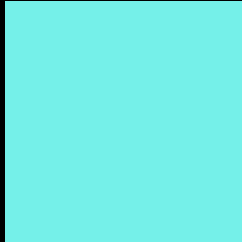
Large Text (above 18pt) WCAG AA × Fail

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 53.2042, 71.9853, 88.1812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

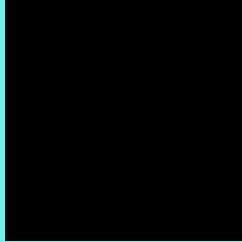
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

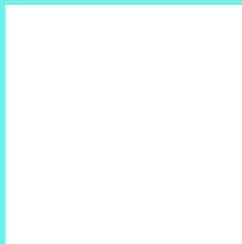
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.2042, 71.9853, 88.1812

Background



This preview shows how black text looks on a background with the XYZ color 53.2042, 71.9853, 88.1812.



This preview shows how white text looks on a background with the XYZ color 53.2042, 71.9853,

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

53.2042, 71.9853, 88.1812

Protanopia

68.4211, 70.9981, 77.8080

Deuteranopia

72.3292, 70.8094, 91.5168



Tritanopia

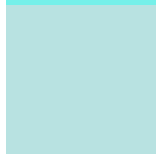
56.9475, 71.8001, 105.4651

Trichromacy



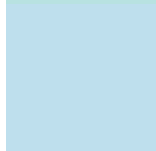
Original Color

53.2042, 71.9853, 88.1812



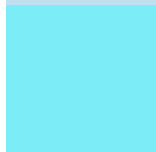
Protanomaly

60.5541, 70.0193, 81.5577



Deuteranomaly

62.9089, 69.8369, 90.2850



Tritanomaly

55.3849, 71.5689, 98.8908

Monochromacy



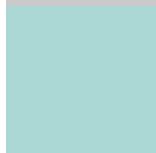
Original Color

53.2042, 71.9853, 88.1812



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.3607, 62.5738, 72.2163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2042, 71.9853, 88.1812 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(117, 240, 233)` looks like.

```
.text, #text, p{  
    color:rgb(117, 240, 233)  
}
```

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(117, 240, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 240, 233) }
```

Border

The CSS property to change the border of an element to XYZ 53.2042, 71.9853, 88.1812 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(117, 240, 233) }
```


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

```
.border{ border-color:rgb(117, 240, 233) }
```

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

Here you see how a box with a 4 pixel rgb(117, 240, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 240, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 240, 233);  
box-shadow:4px 4px 4px 4px rgb(117, 240,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2042, 71.9853, 88.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 240, 233) }
```

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

```
.background{ background-color: rgb(117,  
240, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor