

Converting Colors

XYZ(53.0287, 70.0427, 80.4299)

Have a look what the booklet for
XYZ(53.0287, 70.0427, 80.4299)
contains.

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Color

**XYZ(53.0193, 69.8953,
80.5088)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 87EBDF |
| RGB | 135, 235, 223 |
| RGB Percent | 53%, 92%, 87% |
| CMY | 0.4706, 0.0784, 0.1255 |
| CMYK | 0.43, 0.00, 0.05, 0.08 |
| HSL | 173°, 71%, 73% |
| HSV | 173°, 43%, 92% |
| XYZ | 53.0193, 69.8953, 80.5088 |
| YIQ | 203.7320, -55.7480, -24.9320 |

Conversions

Conversions Part 2

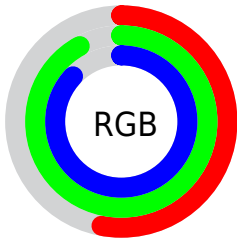
| Format | Color |
|-------------------------------------|--|
| RYB | 135, 188, 235 |
| Decimal | 8907743 |
| CIELab | 86.95, -32.14, -3.36 |
| CIELCh | 87, 32.312, 185.969 |
| Yxy | 69.8953, 0.2606, 0.3436 |
| Android (android.graphics.Color) | 4287097823 (0xFF87EBDF) |
| YUV | 203.7320, 9.4991, -60.2780 |
| Hunter-Lab | 83.6034, -33.1055, 1.4270 |

Details

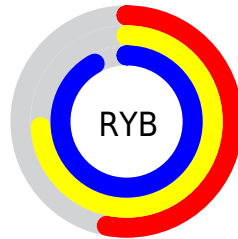
The XYZ color **53.0193, 69.8953, 80.5088** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.1938, 37.0987, 32.2270**, and the grayscale version is **57.1942, 60.1728, 65.5281**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **26.2486, 36.6451, 42.7356** is the 20% darker color. If you saturate the color by 10%, you get **49.2709, 68.0082, 78.3660**, and if you desaturate by 10%, it is **57.6126, 72.2206, 82.7272**.

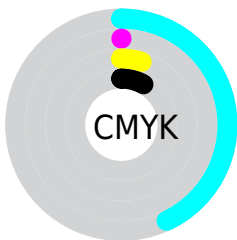
Distribution



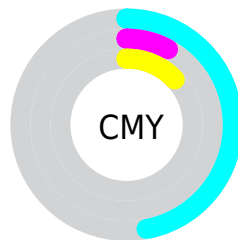
- Red (53%)
- Green (92%)
- Blue (87%)



- Red (53%)
- Yellow (74%)
- Blue (92%)



- Cyan (43%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (47%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0193, 69.8953, 80.5088 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 53.0193, 69.8953, 80.5088 by changing the saturation by 10% instead.

53.0193, 69.8953,
80.5088

53.0193, 69.8953,
80.5088

388.6188,
460.1823, 516.3978

38.0457, 51.4412,
59.6085

93.7981, 119.0594,
135.8987

26.1955, 36.5598,
42.6799

120.3341,
150.5382, 171.2254

17.1034, 24.8669,
29.3045

151.4549,
187.1274, 212.1979

10.4040, 15.9779,
19.0637

187.5259,
229.2113, 259.2349

5.7320, 9.5085,
11.5391

228.9124,
277.1744, 312.7548

2.7219, 5.0743,
6.3119


275.9798,

1.0085, 2.2909,


331.4009, 373.1763


2.9638


329.0935,
392.2755, 440.9177


 0.0000, 0.7689,
1.0762


 0.0000, 0.0000,
0.0000


 53.0193, 69.8953,
80.5088


 53.0193, 69.8953,
80.5088


 49.2709, 68.0082,
78.3660


 57.6126, 72.2206,
82.7272


 46.3056, 66.5224,
76.2913


 63.0951, 75.0019,
85.0190


 44.0634, 65.4086,
74.2832


 69.5153, 78.2659,
87.3880


 42.4723, 64.6298,
72.3381


 76.9165, 82.0348,
89.8365

 41.4458, 64.1413,
70.4519


 85.3393, 86.3296,
92.3665

 40.9473, 63.9142,
69.0806

 86.6666, 86.9659,
94.5983

 87.0888, 87.1348,
96.8217

 87.5176, 87.3063,
99.0795

 87.9530, 87.4804,
101.3720

Harmonies

Analogous

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



54.0404, 69.8953, 60.4019



53.0193, 69.8953, 80.5088



55.3662, 69.8953, 103.2200

Triad

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



53.0193, 69.8953, 80.5088



75.3273, 69.8953, 114.9429



72.5205, 69.8953, 44.1047

Complementary

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



53.0193, 69.8953, 80.5088



48.1938, 37.0987, 32.2270

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.



78.8850, 69.8953, 54.2088



53.0193, 69.8953, 80.5088



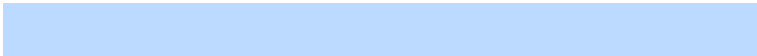
80.5895, 69.8953, 94.3160

Square

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



53.0193, 69.8953, 80.5088



67.9541, 69.8953, 125.3793



81.9383, 69.8953, 71.8631



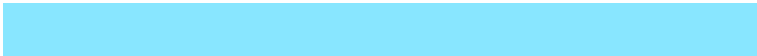
64.9355, 69.8953, 41.7986

Rectangle

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



53.0193, 69.8953, 80.5088



58.6379, 69.8953, 116.0078



81.9383, 69.8953, 71.8631



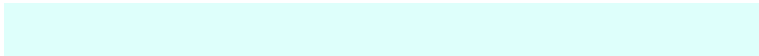
74.8909, 69.8953, 46.5940

Sweetspot

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



53.0213, 69.8981, 80.5104



83.2542, 93.9923, 105.0387



46.3568, 67.4958, 33.5078



17.4345, 19.9222, 22.3458



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.



53.0213, 69.8981, 80.5104



59.8480, 82.1313, 94.6631



45.2596, 51.6922, 86.1926



15.4353, 17.0889, 18.9751



22.8198, 35.5824, 38.6119



1.8139, 2.8029, 3.1477

Inverse Universe

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



48.1938, 37.0987, 32.2270



53.3423, 37.8246, 29.5171



53.3257, 48.7921, 29.5303



15.1390, 15.0835, 16.0173



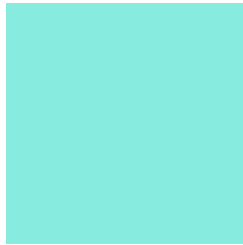
19.2100, 9.8867, 1.6413



1.5325, 0.7860, 0.2555

Previews

White Background



This preview shows how the XYZ color 53.0193, 69.8953, 80.5088 looks on a white background.

Color Contrast Check

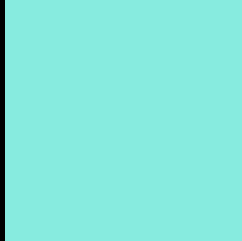
Large Text (above 18pt) WCAG AA × Fail

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 53.0193, 69.8953, 80.5088 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

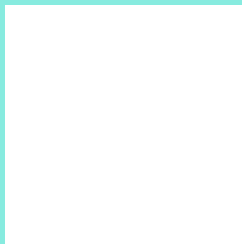
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.0193, 69.8953, 80.5088

Background



This preview shows how black text looks on a background with the XYZ color 53.0193, 69.8953, 80.5088.



This preview shows how white text looks on a background with the XYZ color 53.0193, 69.8953,

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

53.0193, 69.8953, 80.5088

Protanopia

66.2583, 69.2374, 72.1593

Deuteranopia

70.3289, 68.8504, 82.9815



Tritanopia

56.9866, 69.8047, 100.9126

Trichromacy



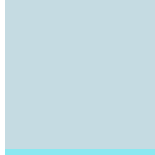
Original Color

53.0193, 69.8953, 80.5088



Protanomaly

60.0176, 68.6804, 75.0591



Deuteranomaly

62.0849, 68.0243, 81.8093



Tritanomaly

55.2323, 69.4935, 92.9406

Monochromacy



Original Color

53.0193, 69.8953, 80.5088



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.6487, 62.8877, 70.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0193, 69.8953, 80.5088 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(135, 235, 223)` looks like.

```
.text, #text, p{  
    color:rgb(135, 235, 223)  
}
```

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(135, 235, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 235, 223) }
```

Border

The CSS property to change the border of an element to XYZ 53.0193, 69.8953, 80.5088 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(135, 235, 223) }
```


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

```
.border{ border-color:rgb(135, 235, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 235, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 235, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 235, 223);  
box-shadow:4px 4px 4px 4px rgb(135, 235,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0193, 69.8953, 80.5088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 235, 223) }
```

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

```
.background{ background-color: rgb(135,  
235, 223) }
```

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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