

Converting Colors

XYZ(56.1312, 80.3015, 90.5952)

Have a look what the booklet for
XYZ(56.1312, 80.3015, 90.5952)
contains.

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Color

**XYZ(56.0908, 80.2853,
90.3822)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66FFEA |
| RGB | 102, 255, 234 |
| RGB Percent | 40%, 100%, 92% |
| CMY | 0.6000, 0.0000, 0.0823 |
| CMYK | 0.60, 0.00, 0.08, 0.00 |
| HSL | 172°, 100%, 70% |
| HSV | 172°, 60%, 100% |
| XYZ | 56.0908, 80.2853, 90.3822 |
| YIQ | 206.8590, -84.4470, -38.9670 |

Conversions

Conversions Part 2

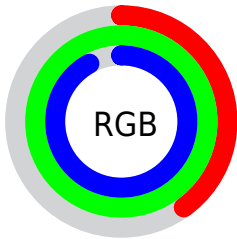
| Format | Color |
|-------------------------------------|--|
| RYB | 102, 184, 255 |
| Decimal | 6750186 |
| CIELab | 91.81, -45.32, -2.08 |
| CIELCh | 92, 45.365, 182.626 |
| Yxy | 80.2853, 0.2474, 0.3541 |
| Android (android.graphics.Color) | 4284940266 (0xFF66FFEA) |
| YUV | 206.8590, 13.3805, -91.9613 |
| Hunter-Lab | 89.6021, -45.0628, 2.9152 |

Details

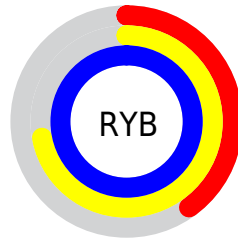
The XYZ color **56.0908, 80.2853, 90.3822** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.5675, 32.1943, 22.3422**, and the grayscale version is **59.1737, 62.2554, 67.7961**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **28.2300, 43.6025, 49.0477** is the 20% darker color. If you saturate the color by 10%, you get **53.1345, 78.8188, 87.6461**, and if you desaturate by 10%, it is **59.9476, 82.2148, 93.2151**.

Distribution



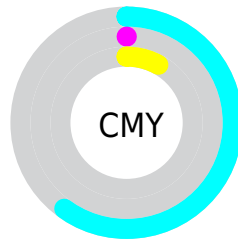
- Red (40%)
- Green (100%)
- Blue (92%)



- Red (40%)
- Yellow (72%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0908, 80.2853, 90.3822 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 56.0908, 80.2853, 90.3822 by changing the saturation by 10% instead.


 56.0908, 80.2853,
90.3822


 56.0908, 80.2853,
90.3822

400.1031,
495.8938, 549.8755


 40.5130, 59.9532,
67.7222


 98.2764, 133.7668,
149.8093

 28.1247, 43.3809,
49.2065

 125.6149,
167.6849, 187.4135

 18.5607, 30.1841,
34.4165


 157.6043,
206.9005, 230.8362

 11.4554, 19.9783,
22.9338

194.6100,
251.7979, 280.4959

 6.4435, 12.3793,
14.3398

236.9974,
302.7615, 336.8111

 3.1598, 7.0026,
8.2159

285.1318,

 1.2388, 3.4637,

360.1758, 400.2004

4.1437

339.3786,
424.4251, 471.0824

■ 0.1367, 1.3783,
1.7045

■ 0.0000, 0.2007,
0.3638

■ 56.0908, 80.2853,
90.3822

■ 56.0908, 80.2853,
90.3822

■ 53.1345, 78.8188,
87.6461

■ 59.9476, 82.2148,
93.2151

■ 50.9910, 77.7702,
84.9982

■ 64.7756, 84.6439,
96.1442

■ 49.5606, 77.0880,
82.4350

■ 70.6420, 87.6072,
99.1743

■ 48.6787, 76.6875,
79.9484

■ 77.6072, 91.1357,
102.3086

■ 48.6785, 76.6874,
79.9477

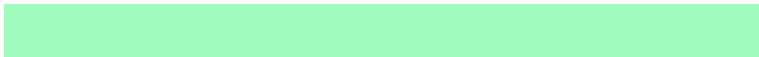
■ 85.7268, 95.2582,
105.5499

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.



58.1342, 80.2853, 61.1677



56.0908, 80.2853, 90.3822



58.9924, 80.2853, 126.6634

Triad

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



56.0908, 80.2853, 90.3822



89.0028, 80.2853, 153.1584



87.0523, 80.2853, 42.0093

Complementary

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



56.0908, 80.2853, 90.3822



49.5675, 32.1943, 22.3422

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.



96.7200, 80.2853, 57.2515



56.0908, 80.2853, 90.3822



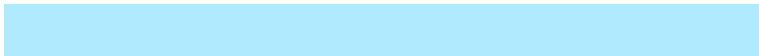
97.9241, 80.2853, 120.2708

Square

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



56.0908, 80.2853, 90.3822



77.3372, 80.2853, 168.2053



100.8807, 80.2853, 84.5175



75.2895, 80.2853, 37.8024

Rectangle

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



56.0908, 80.2853, 90.3822



63.5313, 80.2853, 148.7807



100.8807, 80.2853, 84.5175



90.6939, 80.2853, 45.7819

Sweetspot

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



56.0918, 80.2858, 90.3837



79.1350, 91.9108, 102.9473



46.6096, 76.8361, 24.9464



16.4650, 19.4327, 21.8361



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.



56.0918, 80.2858, 90.3837



52.6430, 78.5768, 87.1088



44.5225, 52.0297, 102.3039



18.4413, 20.4360, 22.6268



25.4770, 40.0874, 41.9927



2.5089, 3.9145, 4.2378

Inverse Universe

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



49.5675, 32.1943, 22.3422



45.6578, 26.6731, 13.9535



55.4525, 45.8471, 18.4989



18.1109, 18.0277, 19.2010



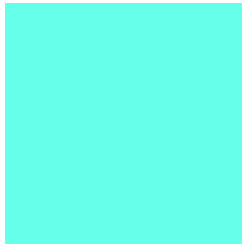
21.7380, 11.1845, 2.0050



2.1461, 1.1008, 0.3506

Previews

White Background



This preview shows how the XYZ color 56.0908, 80.2853, 90.3822 looks on a white background.

Color Contrast Check

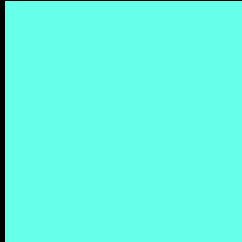
Large Text (above 18pt) WCAG AA × Fail

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 56.0908, 80.2853, 90.3822 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

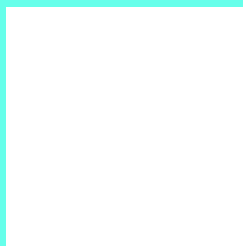
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.0908, 80.2853, 90.3822

Background



This preview shows how black text looks on a background with the XYZ color 56.0908, 80.2853, 90.3822.

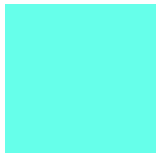


This preview shows how white text looks on a background with the XYZ color 56.0908, 80.2853,

Color Blindness Simulation

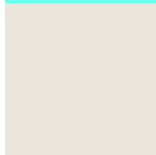
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



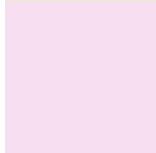
Original Color

56.0908, 80.2853, 90.3822



Protanopia

75.3976, 78.9860, 78.2898



Deuteranopia

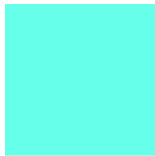
80.6226, 78.9004, 94.1991



Tritanopia

66.8154, 79.4949, 106.4303

Trichromacy



Original Color

56.0908, 80.2853, 90.3822



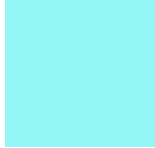
Protanomaly

64.5226, 77.0957, 82.0013



Deuteranomaly

67.3891, 77.0590, 92.2110



Tritanomaly

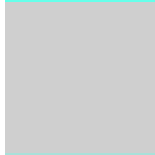
62.0819, 79.4400, 100.0571

Monochromacy



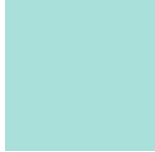
Original Color

56.0908, 80.2853, 90.3822



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.5422, 66.7561, 75.6035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0908, 80.2853, 90.3822 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(102, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 234)  
}
```

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(102, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 56.0908, 80.2853, 90.3822 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(102, 255, 234) }
```


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

```
.border{ border-color:rgb(102, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(102, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0908, 80.2853, 90.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 234) }
```

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

```
.background{ background-color: rgb(102,  
255, 234) }
```

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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