

Converting Colors

XYZ(56.2899, 80.4138, 89.2237)

Have a look what the booklet for
XYZ(56.2899, 80.4138, 89.2237)
contains.

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Color

**XYZ(56.2693, 80.4104,
88.8990)**

Conversions

Conversions Part 1

Format	Color
Hex	6AFFE8
RGB	106, 255, 232
RGB Percent	42%, 100%, 91%
CMY	0.5843, 0.0000, 0.0902
CMYK	0.58, 0.00, 0.09, 0.00
HSL	171°, 100%, 71%
HSV	171°, 58%, 100%
XYZ	56.2693, 80.4104, 88.8990
YIQ	207.8270, -81.4210, -38.7410

Conversions

Conversions Part 2

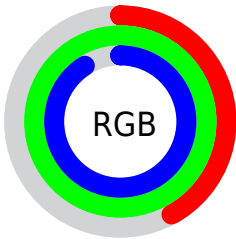
Format	Color
RYB	106, 187, 255
Decimal	7012328
CIELab	91.87, -45.11, -0.95
CIELCh	92, 45.124, 181.204
Yxy	80.4104, 0.2494, 0.3565
Android (android.graphics.Color)	4285202408 (0xFF6AFFE8)
YUV	207.8270, 11.9173, -89.3023
Hunter-Lab	89.6718, -44.9165, 3.9913

Details

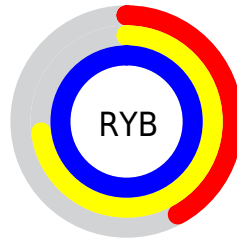
The XYZ color **56.2693, 80.4104, 88.8990** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.3573, 33.1542, 24.5154**, and the grayscale version is **59.8057, 62.9202, 68.5201**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **28.2991, 43.6612, 48.0102** is the 20% darker color. If you saturate the color by 10%, you get **53.1238, 78.8526, 85.8669**, and if you desaturate by 10%, it is **60.3298, 82.4383, 92.0421**.

Distribution



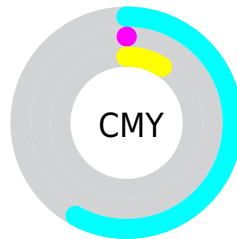
- Red (42%)
- Green (100%)
- Blue (91%)



- Red (42%)
- Yellow (73%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2693, 80.4104, 88.8990 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 56.2693, 80.4104, 88.8990 by changing the saturation by 10% instead.


 56.2693, 80.4104,
88.8990


 56.2693, 80.4104,
88.8990


400.7642,
496.3148, 544.9202


 40.6567, 60.0561,
66.4993


 98.5357, 133.9426,
147.7302

 28.2374, 43.4639,
48.2188


 125.9203,
167.8893, 184.9988

 18.6461, 30.2492,
33.6390


 157.9596,
207.1356, 228.0608

 11.5173, 20.0279,
22.3413

195.0190,
252.0659, 277.3347

 6.4858, 12.4153,
13.9072

237.4637,
303.0645, 333.2390

 3.1861, 7.0272,
7.9181

285.6593,

 1.2529, 3.4791,

360.5160, 396.1924

3.9556

339.9710,
424.8046, 466.6133

0.1475, 1.3867,
1.6010

0.0000, 0.2069,
0.2915

56.2693, 80.4104,
88.8990

56.2693, 80.4104,
88.8990

53.1238, 78.8526,
85.8669

60.3298, 82.4383,
92.0421

50.8080, 77.7212,
82.9372


65.3751, 84.9724,
95.2957

49.2250, 76.9662,
80.1063

71.4713, 88.0468,
98.6646

48.2382, 76.5171,
77.3674

78.6778, 91.6922,
102.1522

 48.1081, 76.4592,
76.9442

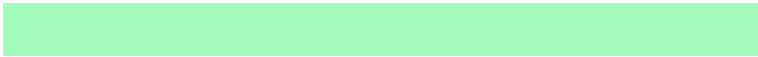
 87.0498, 95.9370,
105.7613

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.



58.5388, 80.4104, 60.3036



56.2693, 80.4104, 88.8990



58.9310, 80.4104, 124.8941

Triad

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



56.2693, 80.4104, 88.8990



88.5455, 80.4104, 154.1565



87.6553, 80.4104, 42.7385

Complementary

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



56.2693, 80.4104, 88.8990



50.3573, 33.1542, 24.5154

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.



97.0842, 80.4104, 58.5129



56.2693, 80.4104, 88.8990



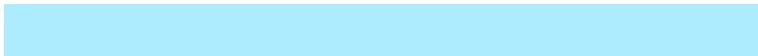
97.6336, 80.4104, 121.9783

Square

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



56.2693, 80.4104, 88.8990



76.8961, 80.4104, 167.9726



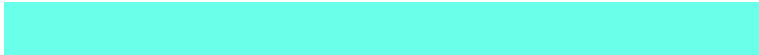
100.9033, 80.4104, 86.2212



75.9611, 80.4104, 38.0447

Rectangle

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



56.2693, 80.4104, 88.8990



63.3162, 80.4104, 147.2061



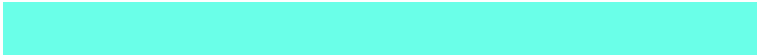
100.9033, 80.4104, 86.2212



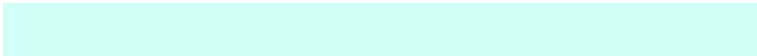
91.2347, 80.4104, 46.6849

Sweetspot

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



56.2703, 80.4108, 88.9004



79.0129, 91.8619, 102.3046



47.6968, 77.3731, 26.0577



16.4348, 19.4206, 21.6772



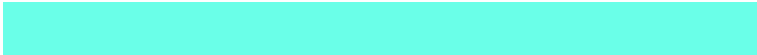
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.2703, 80.4108, 88.9004



52.7074, 78.6479, 85.4000



45.9061, 54.1076, 102.6321



18.4273, 20.4304, 22.5529



25.1829, 39.9698, 40.4442



2.4831, 3.9042, 4.1016

Inverse Universe

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



50.3573, 33.1542, 24.5154



46.3604, 27.4986, 15.9750



55.6750, 45.9671, 19.5753



18.1236, 18.0328, 19.2683



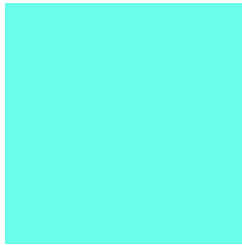
21.7771, 11.2001, 2.2105



2.1520, 1.1032, 0.3821

Previews

White Background



This preview shows how the XYZ color 56.2693, 80.4104, 88.8990 looks on a white background.

Color Contrast Check

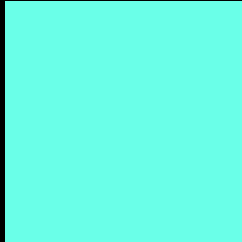
Large Text (above 18pt) WCAG AA × Fail

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 56.2693, 80.4104, 88.8990 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 56.2693, 80.4104, 88.8990

Background



This preview shows how black text looks on a background with the XYZ color 56.2693, 80.4104, 88.8990.

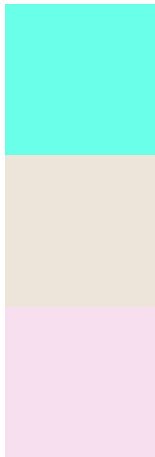


This preview shows how white text looks on a background with the XYZ color 56.2693, 80.4104,

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

56.2693, 80.4104, 88.8990

Protanopia

75.4687, 79.0529, 76.9267

Deuteranopia

80.6791, 78.9638, 92.6506



Tritanopia

67.2577, 79.7229, 106.4510

Trichromacy



Original Color

56.2693, 80.4104, 88.8990



Protanomaly

64.7456, 77.2418, 80.6039



Deuteranomaly

67.6136, 77.2086, 90.6960



Tritanomaly

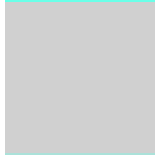
62.4437, 79.6265, 100.0740

Monochromacy



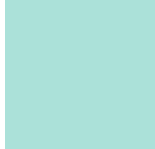
Original Color

56.2693, 80.4104, 88.8990



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.2442, 67.5181, 75.7136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2693, 80.4104, 88.8990 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(106, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 232)  
}
```

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(106, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 56.2693, 80.4104, 88.8990 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(106, 255, 232) }
```


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

```
.border{ border-color:rgb(106, 255, 232) }
```

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

Here you see how a box with a 4 pixel rgb(106, 255, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2693, 80.4104, 88.8990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 232) }
```

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

```
.background{ background-color: rgb(106,  
255, 232) }
```

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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