

Converting Colors

XYZ(56.4253, 80.4191, 92.1440)

Have a look what the booklet for
XYZ(56.4253, 80.4191, 92.1440)
contains.

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Color

**XYZ(56.3798, 80.4009,
91.9043)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFEC
RGB	102, 255, 236
RGB Percent	40%, 100%, 93%
CMY	0.6000, 0.0000, 0.0745
CMYK	0.60, 0.00, 0.07, 0.00
HSL	173°, 100%, 70%
HSV	173°, 60%, 100%
XYZ	56.3798, 80.4009, 91.9043
YIQ	207.0870, -85.0890, -38.3450

Conversions

Conversions Part 2

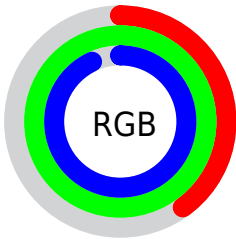
Format	Color
RYB	102, 184, 255
Decimal	6750188
CIELab	91.86, -44.82, -3.04
CIELCh	92, 44.924, 183.878
Yxy	80.4009, 0.2465, 0.3516
Android (android.graphics.Color)	4284940268 (0xFF66FFEC)
YUV	207.0870, 14.2541, -92.1613
Hunter-Lab	89.6665, -44.6807, 1.9969

Details

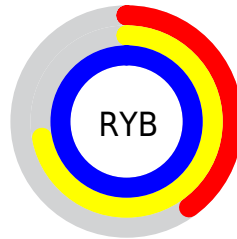
The XYZ color **56.3798, 80.4009, 91.9043** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.4435, 32.1446, 21.6892**, and the grayscale version is **59.3153, 62.4043, 67.9583**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **28.4323, 43.6835, 50.1132** is the 20% darker color. If you saturate the color by 10%, you get **53.4654, 78.9511, 89.3887**, and if you desaturate by 10%, it is **60.1929, 82.3130, 94.5073**.

Distribution



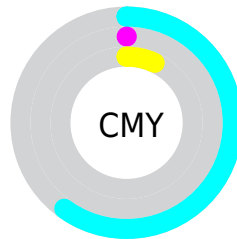
- Red (40%)
- Green (100%)
- Blue (93%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3798, 80.4009, 91.9043 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 56.3798, 80.4009, 91.9043 by changing the saturation by 10% instead.


 56.3798, 80.4009,
91.9043


 56.3798, 80.4009,
91.9043


401.1731,
496.2829, 554.9353


 40.7457, 60.0483,
68.9786

 98.6963, 133.9292,
151.9393

 28.3072, 43.4576,
50.2226


 126.1093,
167.8738, 189.8856

 18.6990, 30.2443,
35.2179


 158.1795,
207.1177, 233.6759

 11.5557, 20.0241,
23.5459

195.2720,
252.0455, 283.7287

 6.5120, 12.4126,
14.7880

237.7522,
303.0415, 340.4624

 3.2024, 7.0253,
8.5258

285.9856,

 1.2617, 3.4779,

360.4902, 404.2958

4.3406

340.3374,
424.7758, 475.6472

■ 0.1543, 1.3860,
1.8140

■ 0.0000, 0.2064,
0.4372

■ 56.3798, 80.4009,
91.9043

■ 56.3798, 80.4009,
91.9043

■ 53.4654, 78.9511,
89.3887

■ 60.1929, 82.3130,
94.5073

■ 51.3620, 77.9186,
86.9521

■ 64.9755, 84.7239,
97.1971

■ 49.9700, 77.2518,
84.5909

■ 70.7946, 87.6682,
99.9784

■ 49.1247, 76.8659,
82.2972

■ 77.7107, 91.1771,
102.8543

■ 49.1245, 76.8658,
82.2966

■ 85.7794, 95.2792,
105.8275

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.



58.2051, 80.4009, 62.4765



56.3798, 80.4009, 91.9043



59.4636, 80.4009, 127.8823

Triad

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



56.3798, 80.4009, 91.9043



89.4437, 80.4009, 151.4821



86.5924, 80.4009, 42.0429

Complementary

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



56.3798, 80.4009, 91.9043



49.4435, 32.1446, 21.6892

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.



96.3243, 80.4009, 56.7272



56.3798, 80.4009, 91.9043



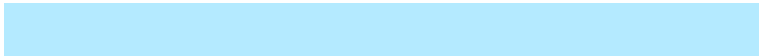
98.0832, 80.4009, 118.5506

Square

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



56.3798, 80.4009, 91.9043



77.9267, 80.4009, 167.3187



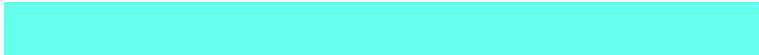
100.7187, 80.4009, 83.3217



74.9302, 80.4009, 38.2766

Rectangle

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



56.3798, 80.4009, 91.9043



64.0898, 80.4009, 149.4379



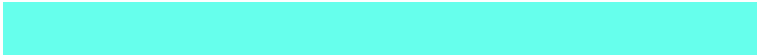
100.7187, 80.4009, 83.3217



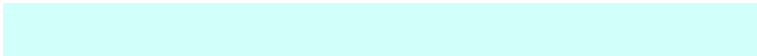
90.2351, 80.4009, 45.6464

Sweetspot

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



56.3808, 80.4014, 91.9058



79.2286, 91.9482, 103.4403



46.2422, 76.6467, 24.9292



16.4882, 19.4420, 21.9580



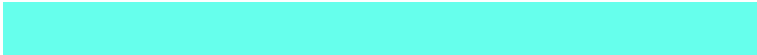
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.3808, 80.4014, 91.9058



52.9821, 78.7124, 88.8945



43.9312, 50.8471, 102.1068



18.4520, 20.4403, 22.6834



25.7069, 40.1793, 43.2032



2.5291, 3.9226, 4.3439

Inverse Universe

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



49.4435, 32.1446, 21.6892



45.5481, 26.6293, 13.3758



55.8832, 46.7087, 18.6424



18.1011, 18.0238, 19.1497



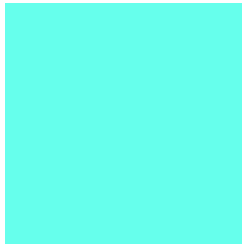
21.7111, 11.1737, 1.8630



2.1415, 1.0990, 0.3266

Previews

White Background



This preview shows how the XYZ color 56.3798, 80.4009, 91.9043 looks on a white background.

Color Contrast Check

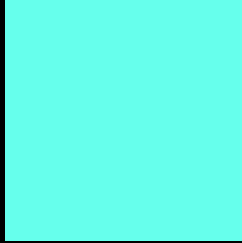
Large Text (above 18pt) WCAG AA × Fail

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 56.3798, 80.4009, 91.9043 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

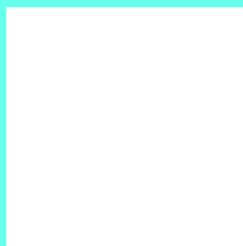
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.3798, 80.4009, 91.9043

Background



This preview shows how black text looks on a background with the XYZ color 56.3798, 80.4009, 91.9043.

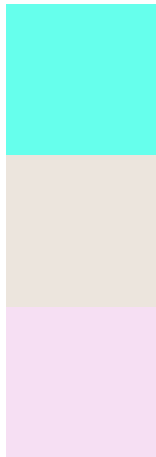


This preview shows how white text looks on a background with the XYZ color 56.3798, 80.4009,

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

56.3798, 80.4009, 91.9043

Protanopia

75.6625, 79.0919, 79.6850

Deuteranopia

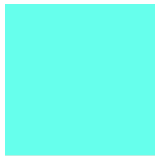
80.5714, 78.8392, 95.7649



Tritanopia

67.0357, 79.6085, 106.4406

Trichromacy



Original Color

56.3798, 80.4009, 91.9043



Protanomaly

64.7955, 77.2049, 83.4384



Deuteranomaly

67.6846, 77.1773, 93.7674



Tritanomaly

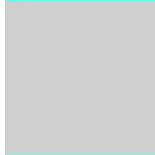
62.2367, 79.5019, 100.8721

Monochromacy



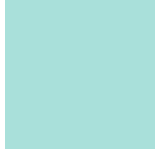
Original Color

56.3798, 80.4009, 91.9043



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.6727, 66.8083, 76.2907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3798, 80.4009, 91.9043 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 56.3798, 80.4009, 91.9043 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, 236) }
```


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

```
.border{ border-color:rgb(102, 255, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3798, 80.4009, 91.9043 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, 236) }
```

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

```
.background{ background-color: rgb(102,  
255, 236) }
```

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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