

Converting Colors

XYZ(56.5269, 80.5399, 94.0266)

Have a look what the booklet for
XYZ(56.5269, 80.5399, 94.0266)
contains.

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Color

**XYZ(56.4856, 80.4046,
94.2039)**

Conversions

Conversions Part 1

Format	Color
Hex	63FFEF
RGB	99, 255, 239
RGB Percent	39%, 100%, 94%
CMY	0.6117, 0.0000, 0.0627
CMYK	0.61, 0.00, 0.06, 0.00
HSL	174°, 100%, 69%
HSV	174°, 61%, 100%
XYZ	56.4856, 80.4046, 94.2039
YIQ	206.5320, -87.8400, -38.0480

Conversions

Conversions Part 2

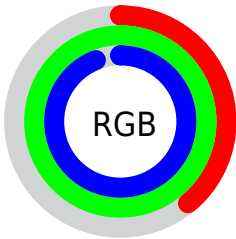
Format	Color
R _Y B	99, 181, 255
Decimal	6553583
CIE Lab	91.87, -44.57, -4.60
CIE LCh	92, 44.802, 185.892
Yxy	80.4046, 0.2444, 0.3479
Android (android.graphics.Color)	4284743663 (0xFF63FFEF)
YUV	206.5320, 16.0067, -94.3056
Hunter-Lab	89.6686, -44.4763, 0.4792

Details

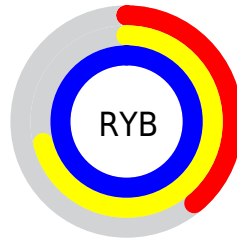
The XYZ color **56.4856, 80.4046, 94.2039** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.7974, 31.4231, 19.7148**, and the grayscale version is **58.9491, 62.0190, 67.5387**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **28.7413, 43.8071, 51.7405** is the 20% darker color. If you saturate the color by 10%, you get **53.7429, 79.0350, 92.0745**, and if you desaturate by 10%, it is **60.1153, 82.2308, 96.4069**.

Distribution



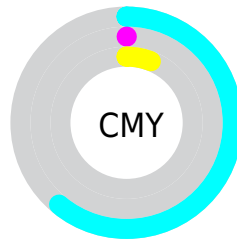
- Red (39%)
- Green (100%)
- Blue (94%)



- Red (39%)
- Yellow (71%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4856, 80.4046, 94.2039 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 56.4856, 80.4046, 94.2039 by changing the saturation by 10% instead.

 56.4856, 80.4046,
94.2039


 56.4856, 80.4046,
94.2039


401.5644,
496.2953, 562.5323

 40.8309, 60.0514,
70.8793


 98.8499, 133.9344,
155.1504

 28.3741, 43.4600,
51.7625


 126.2903,
167.8798, 193.6094

 18.7497, 30.2462,
36.4349


 158.3899,
207.1247, 237.9503

 11.5925, 20.0256,
24.4779

195.5141,
252.0534, 288.5917

 6.5371, 12.4136,
15.4730

238.0283,
303.0505, 345.9520

 3.2180, 7.0260,
9.0017

286.2979,

 1.2701, 3.4784,

360.5002, 410.4499

4.6455

340.6881,
424.7870, 482.5038

■ 0.1607, 1.3863,
1.9857

■ 0.0000, 0.2066,
0.5465

■ 56.4856, 80.4046,
94.2039

■ 56.4856, 80.4046,
94.2039

■ 53.7429, 79.0350,
92.0745

■ 60.1153, 82.2308,
96.4069

■ 51.7977, 78.0759,
90.0100


■ 64.7035, 84.5505,
98.6826


■ 50.5481, 77.4748,
88.0070

■ 70.3183, 87.3988,
101.0358

■ 49.8816, 77.1686,
86.2834

■ 77.0206, 90.8070,
103.4695

 84.8665, 94.8042,
105.9863

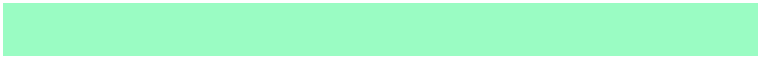
 93.9083, 99.4171,
108.5889

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.



57.9784, 80.4046, 64.1630



56.4856, 80.4046, 94.2039



59.8854, 80.4046, 130.1255

Triad

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



56.4856, 80.4046, 94.2039



90.1195, 80.4046, 149.4584



85.8058, 80.4046, 41.5630

Complementary

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



56.4856, 80.4046, 94.2039



48.7974, 31.4231, 19.7148

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.



95.7532, 80.4046, 55.4459



56.4856, 80.4046, 94.2039



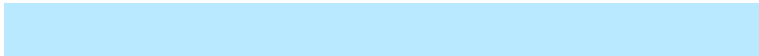
98.4133, 80.4046, 116.0168

Square

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



56.4856, 80.4046, 94.2039



78.7125, 80.4046, 166.7698



100.5715, 80.4046, 81.2112



74.1766, 80.4046, 38.4871

Rectangle

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



56.4856, 80.4046, 94.2039



64.6911, 80.4046, 151.0782



100.5715, 80.4046, 81.2112



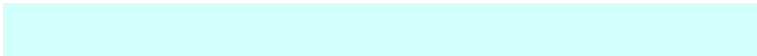
89.4920, 80.4046, 44.9143

Sweetspot

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



56.4867, 80.4052, 94.2054



79.3841, 92.0104, 104.2590



45.3764, 76.2172, 24.1261



16.5266, 19.4573, 22.1607



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.



56.4867, 80.4052, 94.2054



53.3307, 78.8306, 91.6925



42.7570, 48.9943, 101.8111



18.4698, 20.4475, 22.7771



26.0968, 40.3353, 45.2567



2.5631, 3.9362, 4.5233

Inverse Universe

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



48.7974, 31.4231, 19.7148



45.1179, 26.2014, 11.8991



55.8571, 46.8902, 17.9130



18.0851, 18.0173, 19.0651



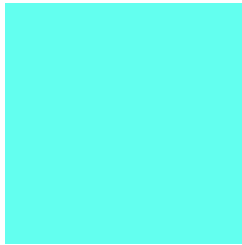
21.6716, 11.1580, 1.6554



2.1339, 1.0960, 0.2868

Previews

White Background



This preview shows how the XYZ color 56.4856, 80.4046, 94.2039 looks on a white background.

Color Contrast Check

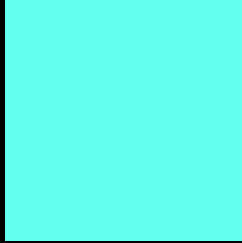
Large Text (above 18pt) WCAG AA × Fail

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 56.4856, 80.4046, 94.2039 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 56.4856, 80.4046, 94.2039

Background



This preview shows how black text looks on a background with the XYZ color 56.4856, 80.4046, 94.2039.

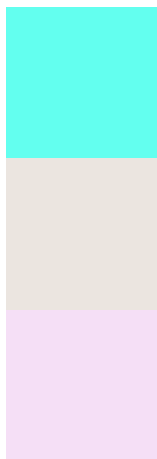


This preview shows how white text looks on a background with the XYZ color 56.4856, 80.4046,

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

56.4856, 80.4046, 94.2039

Protanopia

75.7348, 79.0826, 81.7938

Deuteranopia

80.6784, 78.8417, 98.1545



Tritanopia

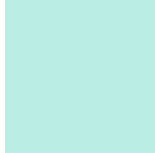
66.8154, 79.4949, 106.4303

Trichromacy



Original Color

56.4856, 80.4046, 94.2039



Protanomaly

64.9671, 77.2453, 85.6144



Deuteranomaly

67.6242, 77.0942, 96.1105



Tritanomaly

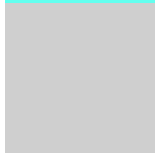
62.0367, 79.3808, 101.6749

Monochromacy



Original Color

56.4856, 80.4046, 94.2039



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.5903, 66.7506, 76.9721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4856, 80.4046, 94.2039 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(99, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 239)  
}
```

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(99, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 56.4856, 80.4046, 94.2039 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(99, 255, 239) }
```


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

```
.border{ border-color:rgb(99, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4856, 80.4046, 94.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 239) }
```

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

```
.background{ background-color: rgb(99, 255,  
239) }
```

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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