

# Converting Colors

XYZ(56.7693, 80.5567, 93.9553)

Have a look what the booklet for  
XYZ(56.7693, 80.5567, 93.9553)  
contains.

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# Color

**XYZ(56.8195, 80.5768,  
94.2195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFEF
RGB	102, 255, 239
RGB Percent	40%, 100%, 94%
CMY	0.6000, 0.0000, 0.0627
CMYK	0.60, 0.00, 0.06, 0.00
HSL	174°, 100%, 70%
HSV	174°, 60%, 100%
XYZ	56.8195, 80.5768, 94.2195
YIQ	207.4290, -86.0520, -37.4120

# Conversions

## Conversions Part 2

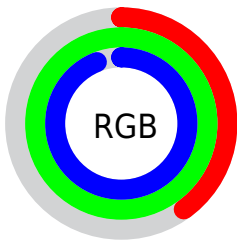
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 183, 255
Decimal	6750191
CIE <sub>Lab</sub>	91.94, -44.07, -4.48
CIE <sub>LCh</sub>	92, 44.297, 185.801
Yxy	80.5768, 0.2453, 0.3479
Android (android.graphics.Color)	4284940271 (0xFF66FFEF)
YUV	207.4290, 15.5645, -92.4612
Hunter-Lab	89.7646, -44.1005, 0.6027

# Details

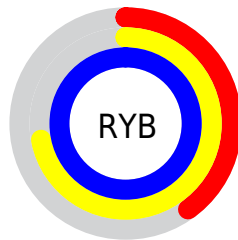
The XYZ color **56.8195, 80.5768, 94.2195** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.2624, 32.0723, 20.7353**, and the grayscale version is **59.5281, 62.6282, 68.2021**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **28.7413, 43.8071, 51.7405** is the 20% darker color. If you saturate the color by 10%, you get **53.9700, 79.1530, 92.0461**, and if you desaturate by 10%, it is **60.5653, 82.4619, 96.4680**.

# Distribution



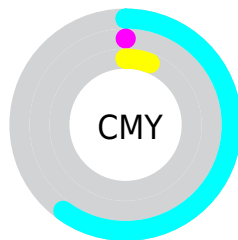
- Red (40%)
- Green (100%)
- Blue (94%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8195, 80.5768, 94.2195 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 56.8195, 80.5768, 94.2195 by changing the saturation by 10% instead.





 56.8195, 80.5768,  
94.2195


 56.8195, 80.5768,  
94.2195


402.7977,  
496.8746, 562.5836


 41.0999, 60.1931,  
70.8922


 99.3346, 134.1764,  
155.1722

 28.5852, 43.5743,  
51.7730


 126.8609,  
168.1611, 193.6346

 18.9099, 30.3360,  
36.4432


 159.0535,  
207.4482, 237.9793

 11.7088, 20.0938,  
24.4842

196.2776,  
252.4222, 288.6246

 6.6165, 12.4632,  
15.4777

238.8988,  
303.4674, 345.9892

 3.2676, 7.0600,  
9.0050

287.2823,

 1.2968, 3.4996,

360.9683, 410.4915

4.6476

341.7935,  
425.3092, 482.5501

■ 0.1808, 1.3978,  
1.9869

■ 0.0000, 0.2151,  
0.5472

■ 56.8195, 80.5768,  
94.2195

■ 56.8195, 80.5768,  
94.2195

■ 53.9700, 79.1530,  
92.0461

■ 60.5653, 82.4619,  
96.4680

■ 51.9293, 78.1455,  
89.9393

■ 65.2782, 84.8450,  
98.7909

■ 50.5977, 77.5028,  
87.8958

■ 71.0254, 87.7606,  
101.1928

■ 49.8104, 77.1402,  
85.9077

■ 77.8670, 91.2397,  
103.6766

■ 49.8102, 77.1401,  
85.9072

■ 85.8589, 95.3110,  
106.2450

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.



58.3160, 80.5768, 64.4785



56.8195, 80.5768, 94.2195



60.1790, 80.5768, 129.7201

# Triad

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



56.8195, 80.5768, 94.2195



90.1076, 80.5768, 148.9850



85.9070, 80.5768, 42.1003

# Complementary

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



56.8195, 80.5768, 94.2195



49.2624, 32.0723, 20.7353

# 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.



95.7326, 80.5768, 55.9535



56.8195, 80.5768, 94.2195



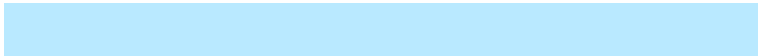
98.3210, 80.5768, 116.0014

# Square

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



56.8195, 80.5768, 94.2195



78.8180, 80.5768, 165.9847



100.4749, 80.5768, 81.5540



74.3962, 80.5768, 39.0019



# Rectangle

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



56.8195, 80.5768, 94.2195



64.9369, 80.5768, 150.4188



100.4749, 80.5768, 81.5540



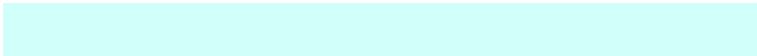
89.5507, 80.5768, 45.4507

# Sweetspot

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



56.8205, 80.5773, 94.2210



79.3696, 92.0046, 104.1827



45.8844, 76.4622, 24.9125



16.5231, 19.4559, 22.1418



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.



56.8205, 80.5773, 94.2210



53.4994, 78.9194, 91.6188



43.3499, 49.6844, 101.9130



18.4682, 20.4468, 22.7684



26.0600, 40.3206, 45.0629



2.5599, 3.9349, 4.5065



# Inverse Universe

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



49.2624, 32.0723, 20.7353



45.3898, 26.5659, 12.5424



56.3232, 47.5885, 18.7892



18.0866, 18.0179, 19.0729



21.6750, 11.1593, 1.6733

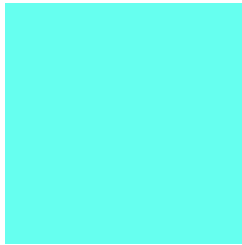


2.1347, 1.0962, 0.2905



# Previews

## White Background



This preview shows how the XYZ color 56.8195, 80.5768, 94.2195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

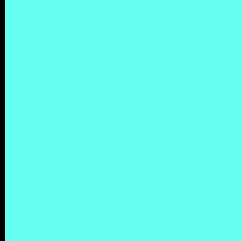
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8195, 80.5768, 94.2195 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

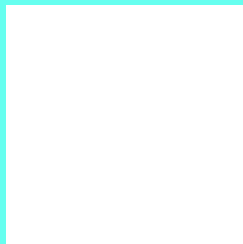
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.8195, 80.5768, 94.2195

## Background



This preview shows how black text looks on a background with the XYZ color 56.8195, 80.5768, 94.2195.



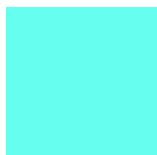
This preview shows how white text looks on a background with the XYZ color 56.8195, 80.5768,



# Color Blindness Simulation

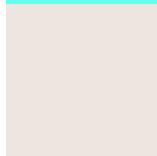
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



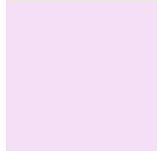
### Original Color

56.8195, 80.5768, 94.2195



### Protanopia

76.0659, 79.2533, 81.8093



### Deuteranopia

80.6784, 78.8417, 98.1545



## Tritanopia

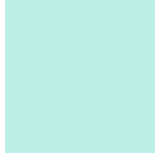
67.0357, 79.6085, 106.4406

# Trichromacy



## Original Color

56.8195, 80.5768, 94.2195



## Protanomaly

65.2109, 77.3710, 85.6259



## Deuteranomaly

67.8783, 77.2252, 96.1224



## Tritanomaly

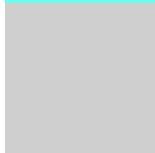
62.3923, 79.5641, 101.6915

# Monochromacy



## Original Color

56.8195, 80.5768, 94.2195



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

55.8040, 66.8608, 76.9821

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8195, 80.5768, 94.2195 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8195, 80.5768, 94.2195 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, 239) }
```



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

```
.border{ border-color:rgb(102, 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(102, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8195, 80.5768, 94.2195 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, 239) }
```

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

```
.background{ background-color: rgb(102,  
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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