

Converting Colors

XYZ(56.4015, 75.9081,
105.4478)

Have a look what the booklet for
XYZ(56.4015, 75.9081, 105.4478)
contains.

XYZ(56.4387, 75.9509, 105.4513)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.4387, 75.9509,
105.4513)**

Conversions

Conversions Part 1

Format	Color
Hex	67F6FE
RGB	103, 246, 254
RGB Percent	40%, 96%, 100%
CMY	0.5960, 0.0353, 0.0039
CMYK	0.59, 0.03, 0.00, 0.00
HSL	183°, 99%, 70%
HSV	183°, 59%, 100%
XYZ	56.4387, 75.9509, 105.4513
YIQ	204.1550, -87.7960, -27.8280

Conversions

Conversions Part 2

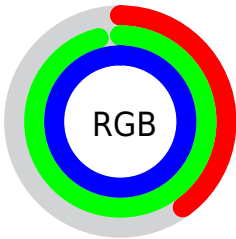
Format	Color
R_{YB}	103, 176, 254
Decimal	6813438
CIE _{Lab}	89.84, -35.93, -15.40
CIE _{LCh}	90, 39.095, 203.198
Yxy	75.9509, 0.2373, 0.3193
Android (android.graphics.Color)	4285003518 (0xFF67F6FE)
YUV	204.1550, 24.5736, -88.7129
Hunter-Lab	87.1498, -36.9146, -10.7360

Details

The XYZ color **56.4387, 75.9509, 105.4513** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.0073, 33.4207, 16.7019**, and the grayscale version is **57.3842, 60.3726, 65.7458**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **28.2756, 40.4264, 59.1361** is the 20% darker color. If you saturate the color by 10%, you get **53.5487, 73.8574, 105.2009**, and if you desaturate by 10%, it is **60.2209, 78.5121, 105.7477**.

Distribution



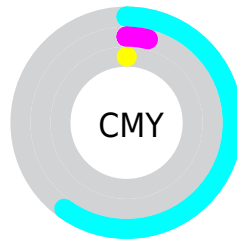
- Red (40%)
- Green (96%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (59%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4387, 75.9509, 105.4513 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 56.4387, 75.9509, 105.4513 by changing the saturation by 10% instead.

56.4387, 75.9509,
105.4513

56.4387, 75.9509,
105.4513

401.3910,
481.1796, 598.9275

40.7931, 56.3922,
80.2187

98.7818, 127.6575,
170.7455

28.3444, 40.5175,
59.3711

126.2101,
160.5742, 211.6443

18.7272, 27.9423,
42.4900

158.2966,
198.7125, 258.6022

11.5762, 18.2821,
29.1567

195.4068,
242.4565, 312.0377

6.5259, 11.1527,
18.9528

237.9060,
292.1909, 372.3695

3.2111, 6.1697,
11.4597

286.1595,

1.2664, 2.9485,

348.3000, 440.0160

6.2589

340.5327,
411.1681, 515.3959

■ 0.1578, 1.1049,
2.9318

■ 0.0000, 0.0000,
1.0599

■ 56.4387, 75.9509,
105.4513

■ 56.4387, 75.9509,
105.4513

■ 53.5487, 73.8574,
105.2009

■ 60.2209, 78.5121,
105.7477

■ 51.4609, 72.1802,
104.9872

■ 64.9610, 81.5698,
106.0881

■ 50.0791, 70.8713,
104.8074

■ 70.7263, 85.1605,
106.4773

■ 49.2509, 69.8522,
104.6543

■ 77.5763, 89.3148,
106.9181

■ 49.2113, 69.7991,
104.6462

■ 85.5659, 94.0610,
107.4131

94.5957, 99.3479,
107.9576

94.8897, 99.9359,
108.0556

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.2841, 75.9509, 76.5605



56.4387, 75.9509, 105.4513



61.6320, 75.9509, 132.9756

Triad

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



56.4387, 75.9509, 105.4513



88.0927, 75.9509, 118.8003



74.4096, 75.9509, 40.3510

Complementary

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



56.4387, 75.9509, 105.4513



49.0073, 33.4207, 16.7019

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.



83.8876, 75.9509, 47.0215



56.4387, 75.9509, 105.4513



92.2303, 75.9509, 89.1542

Square

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



56.4387, 75.9509, 105.4513



79.7492, 75.9509, 141.8048



90.6268, 75.9509, 63.4778



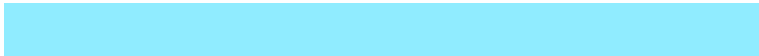
65.1224, 75.9509, 42.8317

Rectangle

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



56.4387, 75.9509, 105.4513



66.9559, 75.9509, 144.7303



90.6268, 75.9509, 63.4778



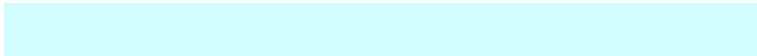
77.6880, 75.9509, 41.5370

Sweetspot

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



56.4410, 75.9538, 105.4531



79.3621, 90.7685, 107.9450



43.8817, 74.9067, 27.0571



16.5210, 19.1488, 23.0753



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

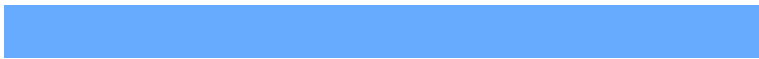
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.4410, 75.9538, 105.4531



53.6468, 74.2272, 106.1075



38.0385, 39.1487, 99.3189



18.4676, 20.3068, 23.1962



25.9798, 36.8691, 55.1818



2.5538, 3.6383, 5.3809

Inverse Universe

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



62.3598, 37.4273, 91.1293



60.2296, 32.7685, 89.8654



60.8926, 57.1913, 20.6637



18.7487, 18.2828, 22.5596



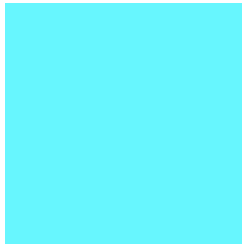
29.9016, 14.4499, 44.9937



2.9236, 1.4118, 4.4453

Previews

White Background



This preview shows how the XYZ color 56.4387, 75.9509, 105.4513 looks on a white background.

Color Contrast Check

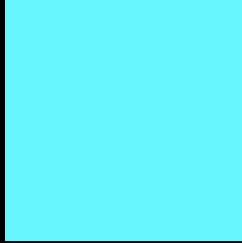
Large Text (above 18pt) WCAG AA × Fail

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 56.4387, 75.9509, 105.4513 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 56.4387, 75.9509, 105.4513

Background



This preview shows how black text looks on a background with the XYZ color 56.4387, 75.9509, 105.4513.

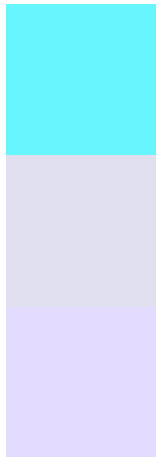


This preview shows how white text looks on a background with the XYZ color 56.4387, 75.9509,

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

56.4387, 75.9509, 105.4513

Protanopia

72.8563, 74.9139, 93.0580

Deuteranopia

75.6381, 74.9004, 105.0784



Tritanopia

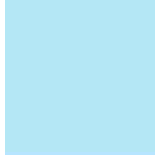
61.2427, 75.7432, 105.9998

Trichromacy



Original Color

56.4387, 75.9509, 105.4513



Protanomaly

63.8797, 73.4477, 97.1962



Deuteranomaly

65.5978, 73.3259, 105.3037



Tritanomaly

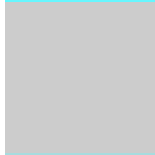
59.1622, 75.5496, 106.0721

Monochromacy



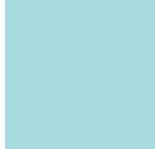
Original Color

56.4387, 75.9509, 105.4513



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.4527, 64.1525, 78.6199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4387, 75.9509, 105.4513 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(103, 246, 254)` looks like.

```
.text, #text, p{  
    color:rgb(103, 246, 254)  
}
```

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(103, 246, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 246, 254) }
```

Border

The CSS property to change the border of an element to XYZ 56.4387, 75.9509, 105.4513 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(103, 246, 254) }
```


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

```
.border{ border-color:rgb(103, 246, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 246, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 246, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 246, 254);  
box-shadow:4px 4px 4px 4px rgb(103, 246,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4387, 75.9509, 105.4513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 246, 254) }
```

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

```
.background{ background-color: rgb(103,  
246, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor