

Converting Colors

XYZ(56.4879, 75.9976,
106.2995)

Have a look what the booklet for
XYZ(56.4879, 75.9976, 106.2995)
contains.

XYZ(56.4853, 75.9563, 106.2917)	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(56.4853, 75.9563,
106.2917)**

Conversions

Conversions Part 1

Format	Color
Hex	66F6FF
RGB	102, 246, 255
RGB Percent	40%, 96%, 100%
CMY	0.6000, 0.0353, 0.0000
CMYK	0.60, 0.04, 0.00, 0.00
HSL	184°, 100%, 70%
HSV	184°, 60%, 100%
XYZ	56.4853, 75.9563, 106.2917
YIQ	203.9700, -88.7130, -27.7290

Conversions

Conversions Part 2

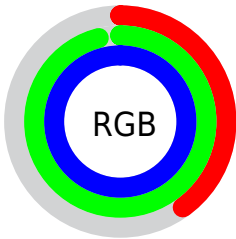
Format	Color
RYB	102, 176, 255
Decimal	6747903
CIELab	89.84, -35.83, -15.92
CIELCh	90, 39.206, 203.957
Yxy	75.9563, 0.2366, 0.3182
Android (android.graphics.Color)	4284937983 (0xFF66F6FF)
YUV	203.9700, 25.1578, -89.4277
Hunter-Lab	87.1529, -36.8287, -11.3031

Details

The XYZ color **56.4853, 75.9563, 106.2917** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.3237, 33.5894, 16.4564**, and the grayscale version is **57.2642, 60.2464, 65.6083**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **28.3906, 40.4724, 59.7417** is the 20% darker color. If you saturate the color by 10%, you get **53.5737, 73.7826, 106.0256**, and if you desaturate by 10%, it is **60.2932, 78.6009, 106.6014**.

Distribution



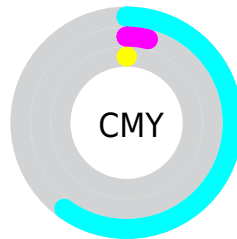
- Red (40%)
- Green (96%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4853, 75.9563, 106.2917 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 56.4853, 75.9563, 106.2917 by changing the saturation by 10% instead.

56.4853, 75.9563,
106.2917

56.4853, 75.9563,
106.2917

401.5633,
481.1981, 601.5997

40.8307, 56.3967,
80.9192

98.8495, 127.6651,
171.9039

28.3739, 40.5211,
59.9445

126.2898,
160.5831, 212.9807

18.7496, 27.9450,
42.9489

158.3893,
198.7227, 260.1294

11.5924, 18.2842,
29.5139

195.5134,
242.4683, 313.7685

6.5370, 11.1542,
19.2210

238.0275,
292.2042, 374.3165

3.2180, 6.1707,
11.6517

286.2970,

1.2701, 2.9491,

348.3149, 442.1920

6.3873

340.6871,
411.1847, 517.8136

■ 0.1606, 1.1052,
3.0094

■ 0.0000, 0.0000,
1.0994

■ 56.4853, 75.9563,
106.2917

■ 56.4853, 75.9563,
106.2917

■ 53.5737, 73.7826,
106.0256

■ 60.2932, 78.6009,
106.6014

■ 51.4677, 72.0281,
105.7979

■ 65.0650, 81.7461,
106.9570

■ 50.0686, 70.6434,
105.6044

■ 70.8689, 85.4289,
107.3620

■ 49.2119, 69.5437,
105.4373

■ 77.7651, 89.6804,
107.8191

■ 49.2117, 69.5433,
105.4372

■ 85.8093, 94.5291,
108.3311

95.0500, 100.0000,
108.9000

Harmonies

Analogous

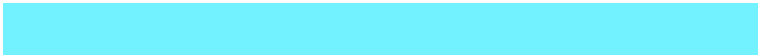
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.2212, 75.9563, 77.2172



56.4853, 75.9563, 106.2917



61.7866, 75.9563, 133.7276

Triad

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



56.4853, 75.9563, 106.2917



88.3144, 75.9563, 118.2016



74.1716, 75.9563, 40.2122

Complementary

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



56.4853, 75.9563, 106.2917



49.3237, 33.5894, 16.4564

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.



83.7094, 75.9563, 46.6553



56.4853, 75.9563, 106.2917



92.3310, 75.9563, 88.4437

Square

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



56.4853, 75.9563, 106.2917



80.0188, 75.9563, 141.6092



90.5749, 75.9563, 62.8919



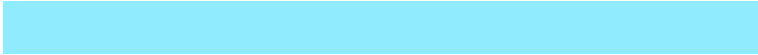
64.8970, 75.9563, 42.9275

Rectangle

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



56.4853, 75.9563, 106.2917



67.1713, 75.9563, 145.2408



90.5749, 75.9563, 62.8919



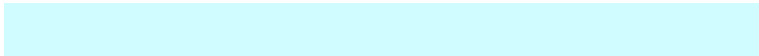
77.4614, 75.9563, 41.3229

Sweetspot

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



56.4874, 75.9591, 106.2921



79.2778, 90.5999, 107.9169



44.0364, 75.4636, 26.8994



16.5001, 19.1070, 23.0683



0.0000, 0.0000, 0.0000



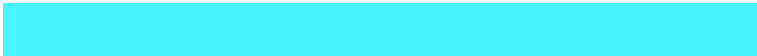
20.3446, 21.4041, 23.3091

Same Dimension

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



56.4874, 75.9591, 106.2921



53.0900, 73.3989, 105.9770



38.0659, 39.1163, 100.1516



18.4580, 20.2876, 23.1930



25.7536, 36.4167, 55.1064



2.5342, 3.5992, 5.3744

Inverse Universe

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



62.6273, 37.4185, 91.1134



59.8789, 32.3616, 88.8407



61.2300, 57.4022, 20.4252



18.7438, 18.2808, 22.5341



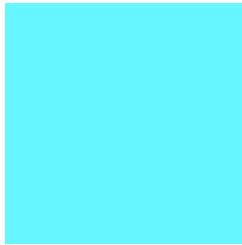
29.7874, 14.4043, 44.3925



2.9138, 1.4079, 4.3933

Previews

White Background



This preview shows how the XYZ color 56.4853, 75.9563, 106.2917 looks on a white background.

Color Contrast Check

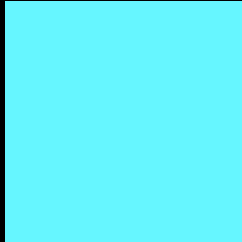
Large Text (above 18pt) WCAG AA × Fail

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 56.4853, 75.9563, 106.2917 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 56.4853, 75.9563, 106.2917

Background



This preview shows how black text looks on a background with the XYZ color 56.4853, 75.9563, 106.2917.

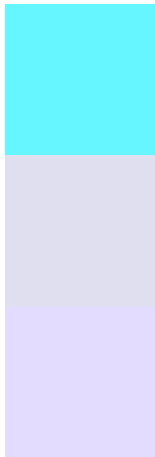


This preview shows how white text looks on a background with the XYZ color 56.4853, 75.9563,

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

56.4853, 75.9563, 106.2917

Protanopia

72.5473, 74.7546, 93.0435

Deuteranopia

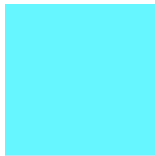
75.6381, 74.9004, 105.0784



Tritanopia

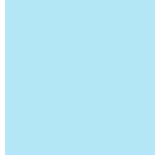
61.2427, 75.7432, 105.9998

Trichromacy



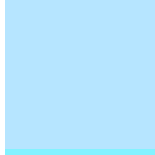
Original Color

56.4853, 75.9563, 106.2917



Protanomaly

63.6478, 73.3281, 97.1853



Deuteranomaly

65.3607, 73.2037, 105.2926



Tritanomaly

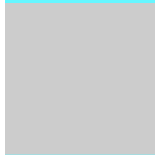
59.1622, 75.5496, 106.0721

Monochromacy



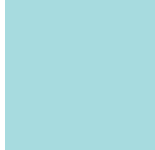
Original Color

56.4853, 75.9563, 106.2917



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.5872, 64.2062, 79.3280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4853, 75.9563, 106.2917 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 246, 255)  
}
```

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, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.4853, 75.9563, 106.2917 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, 246, 255) }
```


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

```
.border{ border-color:rgb(102, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4853, 75.9563, 106.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 246, 255) }
```

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

```
.background{ background-color: rgb(102,  
246, 255) }
```

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