

Converting Colors

XYZ(56.8436, 76.1051,
106.3015)

Have a look what the booklet for
XYZ(56.8436, 76.1051, 106.3015)
contains.

XYZ(56.8315, 76.1348, 106.3079)	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(56.8315, 76.1348,
106.3079)**

Conversions

Conversions Part 1

Format	Color
Hex	69F6FF
RGB	105, 246, 255
RGB Percent	41%, 96%, 100%
CMY	0.5882, 0.0353, 0.0000
CMYK	0.59, 0.04, 0.00, 0.00
HSL	184°, 100%, 71%
HSV	184°, 59%, 100%
XYZ	56.8315, 76.1348, 106.3079
YIQ	204.8670, -86.9250, -27.0930

Conversions

Conversions Part 2

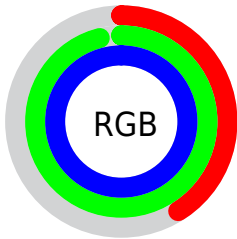
Format	Color
RYB	105, 178, 255
Decimal	6944511
CIELab	89.92, -35.33, -15.79
CIELCh	90, 38.696, 204.078
Yxy	76.1348, 0.2375, 0.3182
Android (android.graphics.Color)	4285134591 (0xFF69F6FF)
YUV	204.8670, 24.7156, -87.5834
Hunter-Lab	87.2553, -36.4353, -11.1576

Details

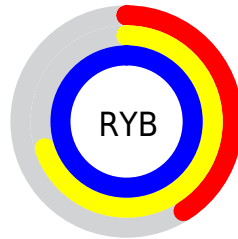
The XYZ color **56.8315, 76.1348, 106.3079** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.8080, 34.3157, 17.3652**, and the grayscale version is **57.8336, 60.8455, 66.2607**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **28.5158, 40.5369, 59.7476** is the 20% darker color. If you saturate the color by 10%, you get **53.8105, 73.8913, 106.0341**, and if you desaturate by 10%, it is **60.7581, 78.8542, 106.6258**.

Distribution



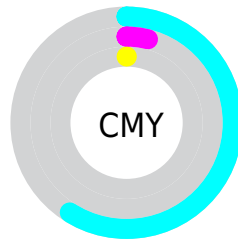
- Red (41%)
- Green (96%)
- Blue (100%)



- Red (41%)
- Yellow (70%)
- Blue (100%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8315, 76.1348, 106.3079 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 56.8315, 76.1348, 106.3079 by changing the saturation by 10% instead.

56.8315, 76.1348,
106.3079

56.8315, 76.1348,
106.3079

402.8420,
481.8090, 601.6511

41.1096, 56.5430,
80.9327

99.3521, 127.9174,
171.9262

28.5928, 40.6385,
59.9555

126.8814,
160.8771, 213.0065

18.9157, 28.0367,
42.9577

159.0773,
199.0615, 260.1588

11.7130, 18.3533,
29.5208

196.3051,
242.8551, 313.8018

6.6194, 11.2040,
19.2262

238.9301,
292.6423, 374.3540

3.2694, 6.2042,
11.6554

287.3176,

1.2978, 2.9696,

348.8074, 442.2339

6.3898

341.8332,
411.7348, 517.8601

■ 0.1816, 1.1159,
3.0109

■ 0.0000, 0.0000,
1.1002

■ 56.8315, 76.1348,
106.3079

■ 56.8315, 76.1348,
106.3079

■ 53.8105, 73.8913,
106.0341

■ 60.7581, 78.8542,
106.6258

■ 51.6059, 72.0727,
105.7993

■ 65.6569, 82.0788,
106.9901

■ 50.1213, 70.6309,
105.5992

■ 71.5953, 85.8451,
107.4040

■ 49.2142, 69.4925,
105.4273

■ 78.6330, 90.1837,
107.8705

■ 49.1235, 69.3670,
105.4078

■ 86.8250, 95.1232,
108.3922

95.0500, 100.0000,
108.9000

Harmonies

Analogous

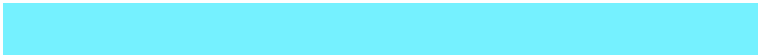
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.5620, 76.1348, 77.5786



56.8315, 76.1348, 106.3079



62.0969, 76.1348, 133.3119

Triad

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



56.8315, 76.1348, 106.3079



88.3101, 76.1348, 117.8159



74.2790, 76.1348, 40.7546

Complementary

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



56.8315, 76.1348, 106.3079



49.8080, 34.3157, 17.3652

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.



83.7044, 76.1348, 47.1282



56.8315, 76.1348, 106.3079



92.2514, 76.1348, 88.4548

Square

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



56.8315, 76.1348, 106.3079



80.1329, 76.1348, 140.9153



90.4960, 76.1348, 63.2046



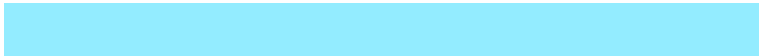
65.1139, 76.1348, 43.4945

Rectangle

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



56.8315, 76.1348, 106.3079



67.4326, 76.1348, 144.5975



90.4960, 76.1348, 63.2046



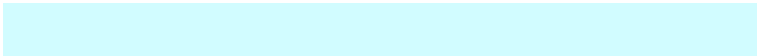
77.5298, 76.1348, 41.8484

Sweetspot

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



56.8336, 76.1376, 106.3083



79.2608, 90.5660, 107.9112



44.5396, 75.7049, 27.7429



16.4959, 19.0985, 23.0669



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.



56.8336, 76.1376, 106.3083



53.2633, 73.4601, 105.9797



38.7254, 39.9212, 100.2723



18.4561, 20.2837, 23.1924



25.7082, 36.3260, 55.0912



2.5303, 3.5913, 5.3731

Inverse Universe

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



62.9275, 38.0188, 91.2135



60.0360, 32.6911, 88.8460



61.6676, 58.0348, 21.3184



18.7428, 18.2805, 22.5290



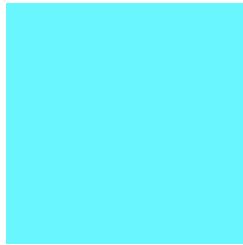
29.7645, 14.3951, 44.2719



2.9118, 1.4071, 4.3829

Previews

White Background



This preview shows how the XYZ color 56.8315, 76.1348, 106.3079 looks on a white background.

Color Contrast Check

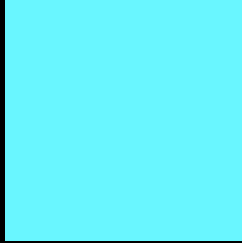
Large Text (above 18pt) WCAG AA × Fail

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 56.8315, 76.1348, 106.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

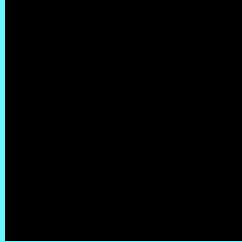
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8315, 76.1348, 106.3079

Background



This preview shows how black text looks on a background with the XYZ color 56.8315, 76.1348, 106.3079.

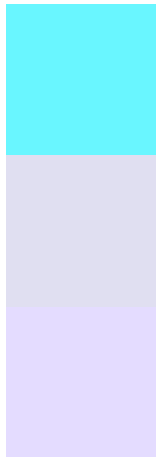


This preview shows how white text looks on a background with the XYZ color 56.8315, 76.1348,

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

56.8315, 76.1348, 106.3079

Protanopia

73.0053, 74.9735, 93.8426

Deuteranopia

75.6381, 74.9004, 105.0784



Tritanopia

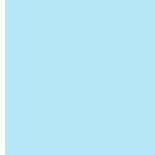
61.6045, 75.9297, 106.0167

Trichromacy



Original Color

56.8315, 76.1348, 106.3079



Protanomaly

64.2665, 73.6294, 98.0135



Deuteranomaly

65.5978, 73.3259, 105.3037



Tritanomaly

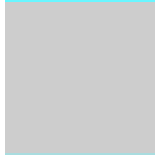
59.4750, 75.7108, 106.0867

Monochromacy



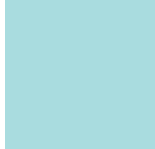
Original Color

56.8315, 76.1348, 106.3079



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.2747, 64.9491, 79.4352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8315, 76.1348, 106.3079 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(105, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 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(105, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.8315, 76.1348, 106.3079 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(105, 246, 255) }
```


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

```
.border{ border-color:rgb(105, 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(105, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8315, 76.1348, 106.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 246, 255) }
```

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

```
.background{ background-color: rgb(105,  
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