

Converting Colors

XYZ(56.8577, 76.7012,
106.4158)

Have a look what the booklet for
XYZ(56.8577, 76.7012, 106.4158)
contains.

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Color

**XYZ(56.7903, 76.5663,
106.3934)**

Conversions

Conversions Part 1

Format	Color
Hex	66F7FF
RGB	102, 247, 255
RGB Percent	40%, 97%, 100%
CMY	0.6000, 0.0314, 0.0000
CMYK	0.60, 0.03, 0.00, 0.00
HSL	183°, 100%, 70%
HSV	183°, 60%, 100%
XYZ	56.7903, 76.5663, 106.3934
YIQ	204.5570, -88.9880, -28.2520

Conversions

Conversions Part 2

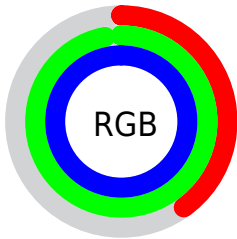
Format	Color
RYB	102, 176, 255
Decimal	6748159
CIELab	90.12, -36.29, -15.50
CIElCh	90, 39.461, 203.121
Yxy	76.5663, 0.2369, 0.3194
Android (android.graphics.Color)	4284938239 (0xFF66F7FF)
YUV	204.5570, 24.8684, -89.9425
Hunter-Lab	87.5022, -37.2795, -10.8389

Details

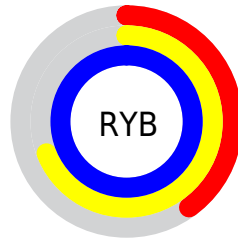
The XYZ color **56.7903, 76.5663, 106.3934** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.2151, 33.3724, 16.4202**, and the grayscale version is **57.6372, 60.6388, 66.0356**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **28.6065, 40.9041, 59.8136** is the 20% darker color. If you saturate the color by 10%, you get **53.9268, 74.4889, 106.1433**, and if you desaturate by 10%, it is **60.5493, 79.1131, 106.6868**.

Distribution



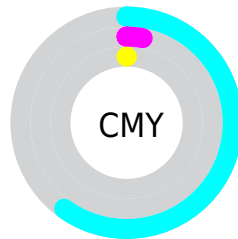
- Red (40%)
- Green (97%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7903, 76.5663, 106.3934 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 56.7903, 76.5663, 106.3934 by changing the saturation by 10% instead.

56.7903, 76.5663,
106.3934

56.7903, 76.5663,
106.3934

402.6900,
483.2840, 601.9226

41.0764, 56.8970,
81.0040

99.2923, 128.5271,
172.0440

28.5667, 40.9225,
60.0139

126.8110,
161.5874, 213.1423

18.8959, 28.2586,
43.0045

158.9955,
199.8801, 260.3141

11.6987, 18.5207,
29.5572

196.2109,
243.7896, 313.9777

6.6096, 11.3244,
19.2535

238.8227,
293.7004, 374.5519

3.2633, 6.2855,
11.6750

287.1963,

1.2945, 3.0194,

349.9968, 442.4551

6.4029

341.6969,
413.0632, 518.1058

■ 0.1791, 1.1419,
3.0189

■ 0.0000, 0.0135,
1.1043

■ 56.7903, 76.5663,
106.3934

■ 56.7903, 76.5663,
106.3934

■ 53.9268, 74.4889,
106.1433

■ 60.5493, 79.1131,
106.6868

■ 51.8682, 72.8291,
105.9314

■ 65.2714, 82.1590,
107.0258

■ 50.5158, 71.5376,
105.7534

■ 71.0248, 85.7409,
107.4140

■ 49.7049, 70.5296,
105.6016

■ 77.8698, 89.8899,
107.8541

■ 49.7046, 70.5293,
105.6015

■ 85.8620, 94.6347,
108.3486

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.



55.6309, 76.5663, 77.0727



56.7903, 76.5663, 106.3934



62.0460, 76.5663, 134.3869

Triad

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



56.7903, 76.5663, 106.3934



88.9034, 76.5663, 120.1093



75.0532, 76.5663, 40.4637

Complementary

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



56.7903, 76.5663, 106.3934



49.2151, 33.3724, 16.4202

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.



84.6723, 76.5663, 47.2359



56.7903, 76.5663, 106.3934



93.1201, 76.5663, 89.9964

Square

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



56.7903, 76.5663, 106.3934



80.4232, 76.5663, 143.4658



91.5062, 76.5663, 63.9296



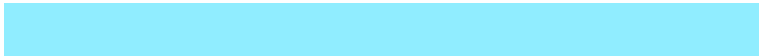
65.6258, 76.5663, 42.9490

Rectangle

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



56.7903, 76.5663, 106.3934



67.4413, 76.5663, 146.3702



91.5062, 76.5663, 63.9296



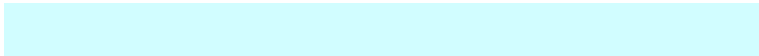
78.3806, 76.5663, 41.6708

Sweetspot

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



56.7924, 76.5691, 106.3938



79.3722, 90.7888, 107.9484



44.0363, 75.4636, 26.8994



16.5235, 19.1538, 23.0761



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.



56.7924, 76.5691, 106.3938



53.4527, 74.1243, 106.0979



38.0659, 39.1162, 100.1516



18.4687, 20.3091, 23.1966



26.0071, 36.9238, 55.1909



2.5562, 3.6430, 5.3817

Inverse Universe

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



62.7813, 37.4801, 91.9241



60.0619, 32.4348, 89.8048



61.2300, 57.4021, 20.4251



18.7492, 18.2830, 22.5626



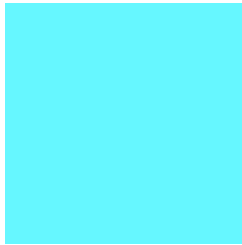
29.9154, 14.4554, 45.0663



2.9248, 1.4123, 4.4516

Previews

White Background



This preview shows how the XYZ color 56.7903, 76.5663, 106.3934 looks on a white background.

Color Contrast Check

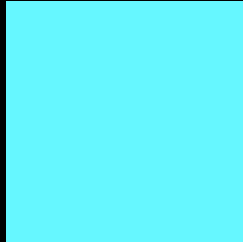
Large Text (above 18pt) WCAG AA × Fail

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 56.7903, 76.5663, 106.3934 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 56.7903, 76.5663, 106.3934

Background



This preview shows how black text looks on a background with the XYZ color 56.7903, 76.5663, 106.3934.

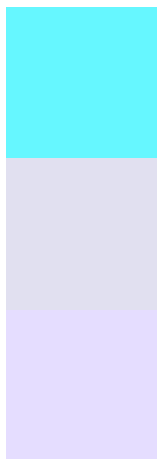


This preview shows how white text looks on a background with the XYZ color 56.7903, 76.5663,

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

56.7903, 76.5663, 106.3934

Protanopia

73.4352, 75.6101, 93.1618

Deuteranopia

76.2195, 75.5909, 105.1810



Tritanopia

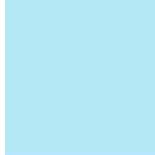
61.9726, 76.1195, 106.0340

Trichromacy



Original Color

56.7903, 76.5663, 106.3934



Protanomaly

64.1604, 74.0091, 97.2898



Deuteranomaly

65.8753, 73.8809, 105.3962



Tritanomaly

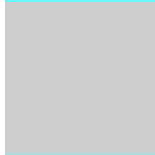
59.7735, 76.3077, 106.1862

Monochromacy



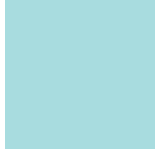
Original Color

56.7903, 76.5663, 106.3934



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.0609, 64.8389, 79.4252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7903, 76.5663, 106.3934 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 247, 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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.7903, 76.5663, 106.3934 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, 247, 255) }
```


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

```
.border{ border-color:rgb(102, 247, 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, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7903, 76.5663, 106.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 247, 255) }
```

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

```
.background{ background-color: rgb(102,  
247, 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](#).

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