

Converting Colors

XYZ(55.9632, 74.9122,
106.1177)

Have a look what the booklet for
XYZ(55.9632, 74.9122, 106.1177)
contains.

XYZ(55.8802, 74.7461, 106.0900)	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(55.8802, 74.7461,
106.0900)**

Conversions

Conversions Part 1

Format	Color
Hex	66F4FF
RGB	102, 244, 255
RGB Percent	40%, 96%, 100%
CMY	0.6000, 0.0431, 0.0000
CMYK	0.60, 0.04, 0.00, 0.00
HSL	184°, 100%, 70%
HSV	184°, 60%, 100%
XYZ	55.8802, 74.7461, 106.0900
YIQ	202.7960, -88.1630, -26.6830

Conversions

Conversions Part 2

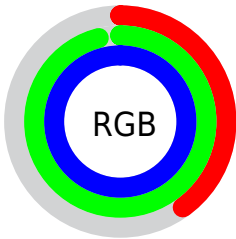
Format	Color
RYB	102, 176, 255
Decimal	6747391
CIELab	89.27, -34.90, -16.77
CIELCh	89, 38.719, 205.663
Yxy	74.7461, 0.2361, 0.3158
Android (android.graphics.Color)	4284937471 (0xFF66F4FF)
YUV	202.7960, 25.7366, -88.3981
Hunter-Lab	86.4558, -35.9253, -12.2357

Details

The XYZ color **55.8802, 74.7461, 106.0900** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.5444, 34.0309, 16.5299**, and the grayscale version is **56.5225, 59.4660, 64.7585**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **27.9634, 39.6179, 59.5993** is the 20% darker color. If you saturate the color by 10%, you get **52.8740, 72.3834, 105.7924**, and if you desaturate by 10%, it is **59.7844, 77.5833, 106.4318**.

Distribution



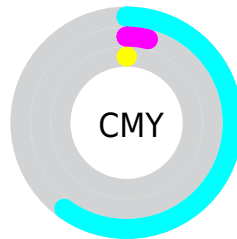
- Red (40%)
- Green (96%)
- Blue (100%)



- 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 55.8802, 74.7461, 106.0900 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 55.8802, 74.7461, 106.0900 by changing the saturation by 10% instead.

55.8802, 74.7461,
106.0900

55.8802, 74.7461,
106.0900

399.3222,
477.0444, 600.9589

40.3435, 55.4049,
80.7511

97.9702, 125.9529,
171.6260

27.9919, 39.7260,
59.8068

125.2543,
158.5873, 212.6601

18.4600, 27.3250,
42.8387

157.1848,
196.4215, 259.7630

11.3824, 17.8174,
29.4281

194.1272,
239.8400, 313.3533

6.3938, 10.8190,
19.1565

236.4467,
289.2272, 373.8495

3.1289, 5.9453,
11.6055

284.5089,

1.2223, 2.8118,

344.9674, 441.6702

6.3564

338.6789,
407.4450, 517.2338

■ 0.1239, 1.0343,
2.9907

■ 0.0000, 0.0000,
1.0899

■ 55.8802, 74.7461,
106.0900

■ 55.8802, 74.7461,
106.0900

■ 52.8740, 72.3834,
105.7924

■ 59.7844, 77.5833,
106.4318

■ 50.6753, 70.4434,
105.5338

■ 64.6543, 80.9248,
106.8201

■ 49.1854, 68.8768,
105.3100

■ 70.5581, 84.8074,
107.2584

■ 48.2395, 67.5988,
105.1131

■ 77.5561, 89.2624,
107.7495

■ 48.2392, 67.5984,
105.1131

■ 85.7039, 94.3183,
108.2959

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.



54.4091, 74.7461, 77.5103



55.8802, 74.7461, 106.0900



61.2717, 74.7461, 132.4133

Triad

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



55.8802, 74.7461, 106.0900



87.1437, 74.7461, 114.4407



72.4281, 74.7461, 39.7150

Complementary

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



55.8802, 74.7461, 106.0900



49.5444, 34.0309, 16.5299

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.



81.8036, 74.7461, 45.5093



55.8802, 74.7461, 106.0900



90.7646, 74.7461, 85.3884

Square

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



55.8802, 74.7461, 106.0900



79.2145, 74.7461, 137.9368



88.7291, 74.7461, 60.8493



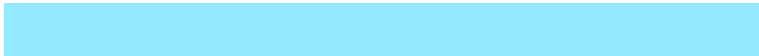
63.4554, 74.7461, 42.8880

Rectangle

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



55.8802, 74.7461, 106.0900



66.6351, 74.7461, 142.9949



88.7291, 74.7461, 60.8493



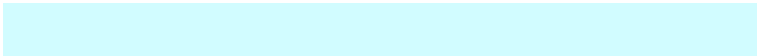
75.6431, 74.7461, 40.6350

Sweetspot

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



55.8822, 74.7488, 106.0904



79.0893, 90.2230, 107.8541



44.1767, 75.5198, 27.6385



16.4534, 19.0135, 23.0527



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.



55.8822, 74.7488, 106.0904



52.3717, 71.9622, 105.7376



37.5895, 38.1633, 99.9928



18.4365, 20.2447, 23.1859



25.2533, 35.4163, 54.9396



2.4909, 3.5125, 5.3600

Inverse Universe

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



62.3219, 37.2963, 89.5050



59.5163, 32.2165, 86.9314



61.7726, 58.4873, 20.6060



18.7330, 18.2765, 22.4771



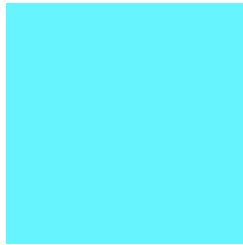
29.5349, 14.3033, 43.0628



2.8919, 1.3991, 4.2782

Previews

White Background



This preview shows how the XYZ color 55.8802, 74.7461, 106.0900 looks on a white background.

Color Contrast Check

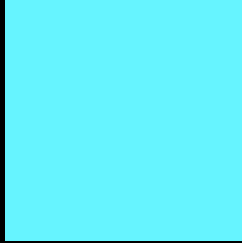
Large Text (above 18pt) WCAG AA × Fail

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 55.8802, 74.7461, 106.0900 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 55.8802, 74.7461, 106.0900

Background



This preview shows how black text looks on a background with the XYZ color 55.8802, 74.7461, 106.0900.

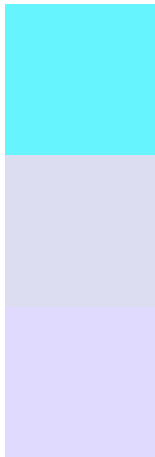


This preview shows how white text looks on a background with the XYZ color 55.8802, 74.7461,

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

55.8802, 74.7461, 106.0900

Protanopia

71.5524, 73.4359, 93.6224

Deuteranopia

74.1727, 73.3704, 104.8603



Tritanopia

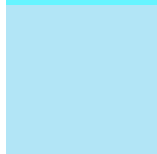
59.5640, 74.4420, 105.8371

Trichromacy



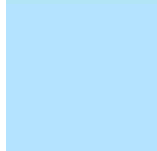
Original Color

55.8802, 74.7461, 106.0900



Protanomaly

63.0140, 72.1574, 97.7954



Deuteranomaly

64.3415, 71.8615, 105.0872



Tritanomaly

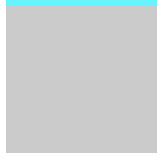
58.1095, 74.5662, 105.9378

Monochromacy



Original Color

55.8802, 74.7461, 106.0900



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.9821, 63.5237, 78.5234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8802, 74.7461, 106.0900 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 244, 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, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.8802, 74.7461, 106.0900 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, 244, 255) }
```


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

```
.border{ border-color:rgb(102, 244, 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, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8802, 74.7461, 106.0900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 244, 255) }
```

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

```
.background{ background-color: rgb(102,  
244, 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