

Converting Colors

XYZ(46.9859, 56.9575,
103.1252)

Have a look what the booklet for
XYZ(46.9859, 56.9575, 103.1252)
contains.

XYZ(47.0730, 57.1317, 103.1543)	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(47.0730, 57.1317,
103.1543)**

Conversions

Conversions Part 1

Format	Color
Hex	66D4FF
RGB	102, 212, 255
RGB Percent	40%, 83%, 100%
CMY	0.6000, 0.1686, 0.0000
CMYK	0.60, 0.17, 0.00, 0.00
HSL	197°, 100%, 70%
HSV	197°, 60%, 100%
XYZ	47.0730, 57.1317, 103.1543
YIQ	184.0120, -79.3630, -9.9470

Conversions

Conversions Part 2

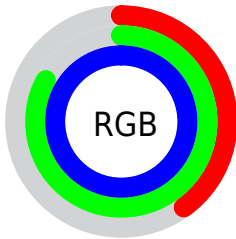
Format	Color
R_{YB}	102, 166, 255
Decimal	6739199
CIE _{Lab}	80.25, -19.29, -30.47
CIE _{LCh}	80, 36.069, 237.661
Yxy	57.1317, 0.2270, 0.2755
Android (android.graphics.Color)	4284929279 (0xFF66D4FF)
YUV	184.0120, 34.9971, -71.9245
Hunter-Lab	75.5855, -21.1088, -28.0054

Details

The XYZ color **47.0730, 57.1317, 103.1543** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.7650, 42.4720, 17.9368**, and the grayscale version is **45.4128, 47.7778, 52.0300**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **22.4470, 28.2927, 57.7040** is the 20% darker color. If you saturate the color by 10%, you get **42.8632, 52.3618, 102.4554**, and if you desaturate by 10%, it is **52.2541, 62.5227, 103.9217**.

Distribution



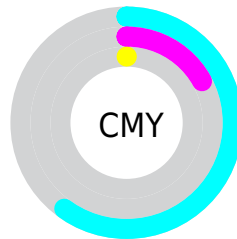
- Red (40%)
- Green (83%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0730, 57.1317, 103.1543 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 47.0730, 57.1317, 103.1543 by changing the saturation by 10% instead.

■ 47.0730, 57.1317,
103.1543

■ 47.0730, 57.1317,
103.1543

365.7499,
413.9426, 591.5918

■ 33.3016, 41.1110,
78.3059

■ 85.0407, 100.6573,
167.5748

■ 22.5179, 28.4058,
57.8074

■ 109.9676,
128.9310, 207.9839

■ 14.3567, 18.6318,
41.2401

■ 139.3437,
162.0579, 254.4171

■ 8.4525, 11.4045,
28.1857

173.5344,
200.4222, 307.2928

■ 4.4401, 6.3396,
18.2254

212.9050,
244.4085, 367.0296

■ 1.9540, 3.0527,
10.9408

257.8209,

■ 0.6079, 1.1593,

294.4010, 434.0460

5.9134

308.6474,
350.7843, 508.7605

■ 0.0000, 0.0281,
2.7245

■ 0.0000, 0.0000,
0.9557

■ 47.0730, 57.1317,
103.1543

■ 47.0730, 57.1317,
103.1543

■ 42.8632, 52.3618,
102.4554

■ 52.2541, 62.5227,
103.9217

■ 39.5343, 48.1614,
101.8201

■ 58.4763, 68.5688,
104.7608

■ 36.9862, 44.4785,
101.2436

■ 65.8084, 75.3081,
105.6752

■ 35.0531, 41.2260,
100.7177

■ 74.3117, 82.7735,
106.6680

■ 35.0525, 41.2250,
100.7175

■ 84.0426, 90.9957,
107.7421

95.0500, 100.0000,
108.9000

Harmonies

Analogous

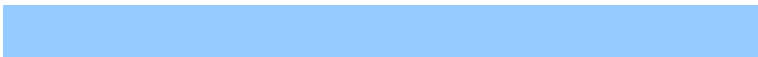
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6993, 57.1317, 83.0005



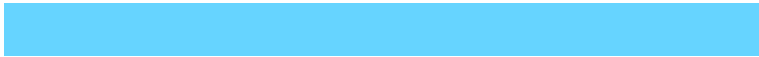
47.0730, 57.1317, 103.1543



53.7261, 57.1317, 112.1710

Triad

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



47.0730, 57.1317, 103.1543



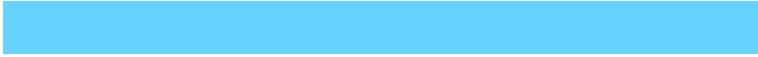
69.7174, 57.1317, 63.8765



47.9889, 57.1317, 32.7540

Complementary

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



47.0730, 57.1317, 103.1543



53.7650, 42.4720, 17.9368

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.



54.8819, 57.1317, 29.8439



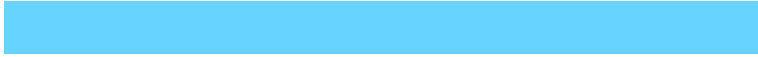
47.0730, 57.1317, 103.1543



67.8364, 57.1317, 45.2128

Square

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



47.0730, 57.1317, 103.1543



67.1683, 57.1317, 86.5235



62.2355, 57.1317, 33.8450



43.1935, 57.1317, 42.9348

Rectangle

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



47.0730, 57.1317, 103.1543



58.7131, 57.1317, 109.4117



62.2355, 57.1317, 33.8450



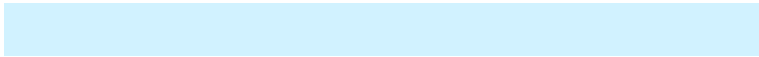
50.1175, 57.1317, 31.0097

Sweetspot

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



47.0747, 57.1337, 103.1546



76.1547, 84.3538, 106.8759



46.1837, 76.3226, 38.2073



15.7288, 17.5644, 22.8112



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.



47.0747, 57.1337, 103.1546



42.1286, 51.4761, 102.3232



32.5769, 28.1381, 98.3220



18.0981, 19.5677, 23.0730



18.4485, 21.8066, 52.6713



1.8888, 2.3083, 5.1593

Inverse Universe

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



57.8762, 35.5180, 66.0945



54.3461, 30.1484, 59.7054



69.0491, 73.0402, 23.0315



18.5621, 18.2082, 21.5774



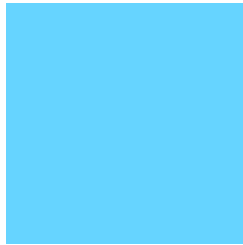
26.1002, 12.9294, 24.9756



2.5880, 1.2776, 2.6778

Previews

White Background



This preview shows how the XYZ color 47.0730, 57.1317, 103.1543 looks on a white background.

Color Contrast Check

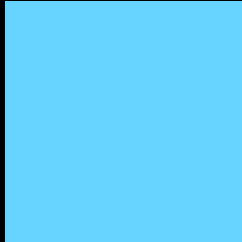
Large Text (above 18pt) WCAG AA × Fail

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 47.0730, 57.1317, 103.1543 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 47.0730, 57.1317, 103.1543

Background



This preview shows how black text looks on a background with the XYZ color 47.0730, 57.1317, 103.1543.



This preview shows how white text looks on a background with the XYZ color 47.0730, 57.1317,

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

47.0730, 57.1317, 103.1543

Protanopia

56.4111, 56.5157, 92.7295

Deuteranopia

57.5727, 56.5645, 102.4914



Tritanopia

43.6775, 57.2702, 85.8430

Trichromacy



Original Color

47.0730, 57.1317, 103.1543

Protanomaly

51.6193, 56.0244, 96.0888

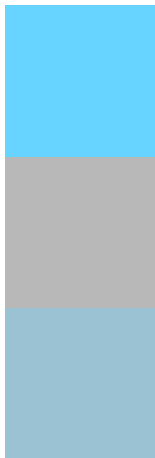
Deuteranomaly

52.4542, 55.9619, 102.6448

Tritanomaly

45.0015, 57.4385, 91.9340

Monochromacy



Original Color

47.0730, 57.1317, 103.1543

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.2511, 50.1067, 68.3121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0730, 57.1317, 103.1543 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, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 212, 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, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.0730, 57.1317, 103.1543 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, 212, 255) }
```


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

```
.border{ border-color:rgb(102, 212, 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, 212, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0730, 57.1317, 103.1543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 212, 255) }
```

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

```
.background{ background-color: rgb(102,  
212, 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