

Converting Colors

XYZ(48.5497, 57.2692,
103.1030)

Have a look what the booklet for
XYZ(48.5497, 57.2692, 103.1030)
contains.

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Color

**XYZ(48.4327, 57.0951,
103.0755)**

Conversions

Conversions Part 1

Format	Color
Hex	75D2FF
RGB	117, 210, 255
RGB Percent	46%, 82%, 100%
CMY	0.5412, 0.1765, 0.0000
CMYK	0.54, 0.18, 0.00, 0.00
HSL	200°, 100%, 73%
HSV	200°, 54%, 100%
XYZ	48.4327, 57.0951, 103.0755
YIQ	187.3230, -69.8730, -5.7210

Conversions

Conversions Part 2

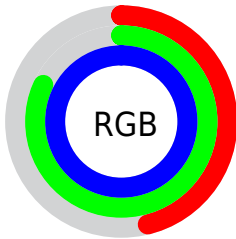
Format	Color
RYB	117, 173, 255
Decimal	7721727
CIELab	80.23, -15.43, -30.46
CIELCh	80, 34.146, 243.131
Yxy	57.0951, 0.2322, 0.2737
Android (android.graphics.Color)	4285911807 (0xFF75D2FF)
YUV	187.3230, 33.3648, -61.6733
Hunter-Lab	75.5613, -17.8187, -27.9864

Details

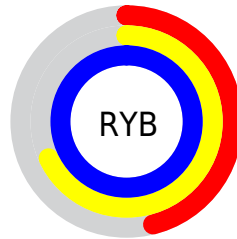
The XYZ color **48.4327, 57.0951, 103.0755** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.3722, 48.3863, 23.1473**, and the grayscale version is **47.2639, 49.7253, 54.1508**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **23.3969, 28.5323, 57.7002** is the 20% darker color. If you saturate the color by 10%, you get **43.4619, 51.5649, 102.2701**, and if you desaturate by 10%, it is **54.4465, 63.3237, 103.9608**.

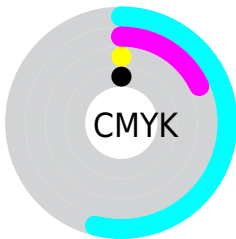
Distribution



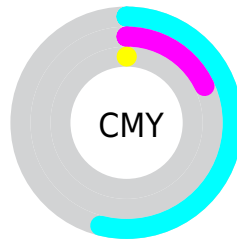
- Red (46%)
- Green (82%)
- Blue (100%)



- Red (46%)
- Yellow (68%)
- Blue (100%)



- Cyan (54%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4327, 57.0951, 103.0755 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 48.4327, 57.0951, 103.0755 by changing the saturation by 10% instead.

■ 48.4327, 57.0951,
103.0755

■ 48.4327, 57.0951,
103.0755

371.0588,
413.8056, 591.3393

■ 34.3824, 41.0816,
78.2403

■ 87.0541, 100.6039,
167.4659

■ 23.3518, 28.3828,
57.7538

■ 112.3559,
128.8681, 207.8581

■ 14.9756, 18.6145,
41.1974

■ 142.1388,
161.9845, 254.2732

■ 8.8885, 11.3920,
28.1525

176.7683,
200.3377, 307.1296

■ 4.7250, 6.3312,
18.2006

216.6097,
244.3120, 366.8459

■ 2.1199, 3.0475,
10.9232

262.0283,

■ 0.7000, 1.1566,

294.2918, 433.8406

5.9017

313.3896,
350.6615, 508.5322

■ 0.0000, 0.0258,
2.7176

■ 0.0000, 0.0000,
0.9522

■ 48.4327, 57.0951,
103.0755

■ 48.4327, 57.0951,
103.0755

■ 43.4619, 51.5649,
102.2701

■ 54.4465, 63.3237,
103.9608

■ 39.4498, 46.6836,
101.5394

■ 61.5687, 70.2833,
104.9288

■ 36.3060, 42.4036,
100.8789

■ 69.8652, 78.0112,
105.9831

■ 33.9186, 38.6645,
100.2830

■ 79.3948, 86.5400,
107.1271

■ 32.7740, 36.6679,
99.9580

■ 90.2124, 95.9001,
108.3636

95.0500, 100.0000,
108.9000

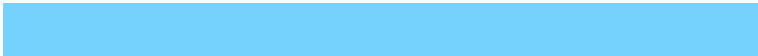
Harmonies

Analogous

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



43.8000, 57.0951, 85.5928



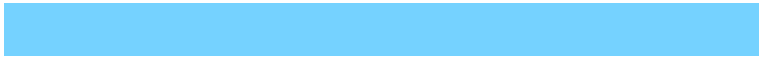
48.4327, 57.0951, 103.0755



55.0025, 57.0951, 108.9066

Triad

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



48.4327, 57.0951, 103.0755



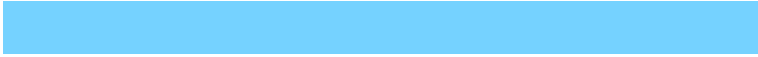
68.7792, 57.0951, 60.0940



47.2669, 57.0951, 35.2460

Complementary

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



48.4327, 57.0951, 103.0755



57.3722, 48.3863, 23.1473

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.



53.5385, 57.0951, 31.1781



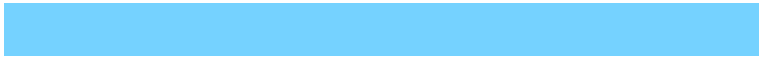
48.4327, 57.0951, 103.0755



66.2817, 57.0951, 43.4601

Square

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



48.4327, 57.0951, 103.0755



67.1216, 57.0951, 81.1773



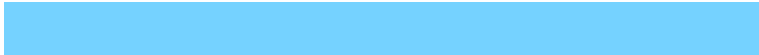
60.5524, 57.0951, 33.8294



43.1685, 57.0951, 46.3834

Rectangle

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



48.4327, 57.0951, 103.0755



59.7040, 57.0951, 104.5649



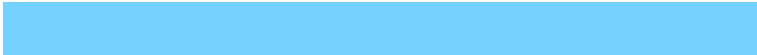
60.5524, 57.0951, 33.8294



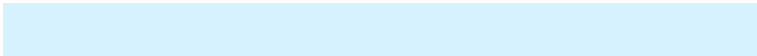
49.1709, 57.0951, 33.1290

Sweetspot

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



48.4344, 57.0971, 103.0758



77.5017, 84.8697, 106.9045



49.5040, 77.8652, 46.0021



16.1571, 17.7823, 22.8307



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.



48.4344, 57.0971, 103.0758



43.0694, 51.1073, 102.2024



35.1055, 30.4394, 98.6329



18.0264, 19.4243, 23.0491



17.2669, 19.4435, 52.2775



1.7808, 2.0923, 5.1233

Inverse Universe

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



59.2353, 38.6374, 65.3106



55.3702, 32.6612, 58.6149



72.6650, 78.9720, 28.2449



18.5260, 18.1937, 21.3868



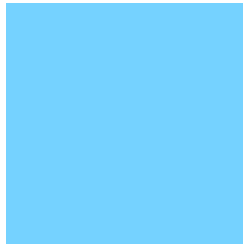
25.5038, 12.6908, 21.8350



2.5335, 1.2558, 2.3907

Previews

White Background



This preview shows how the XYZ color 48.4327, 57.0951, 103.0755 looks on a white background.

Color Contrast Check

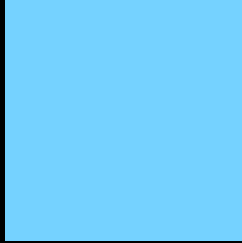
Large Text (above 18pt) WCAG AA × Fail

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 48.4327, 57.0951, 103.0755 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

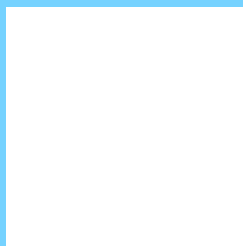
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4327, 57.0951, 103.0755

Background



This preview shows how black text looks on a background with the XYZ color 48.4327, 57.0951, 103.0755.

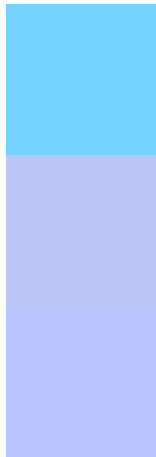


This preview shows how white text looks on a background with the XYZ color 48.4327, 57.0951,

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

48.4327, 57.0951, 103.0755

Protanopia

56.4711, 56.5115, 94.3177

Deuteranopia

57.5727, 56.5645, 102.4914



Tritanopia

44.6547, 57.0508, 84.2597

Trichromacy



Original Color

48.4327, 57.0951, 103.0755

Protanomaly

52.6835, 56.1899, 97.6916

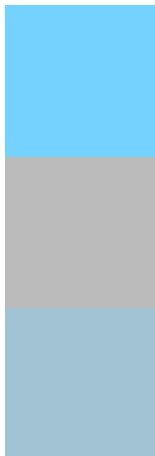
Deuteranomaly

53.2015, 56.0021, 102.6132

Tritanomaly

46.0780, 57.2593, 91.0617

Monochromacy



Original Color

48.4327, 57.0951, 103.0755

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.2991, 51.4651, 69.7809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4327, 57.0951, 103.0755 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(117, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 210, 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(117, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 210, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.4327, 57.0951, 103.0755 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(117, 210, 255) }
```


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

```
.border{ border-color:rgb(117, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 210,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4327, 57.0951, 103.0755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 210, 255) }
```

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

```
.background{ background-color: rgb(117,  
210, 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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