

Converting Colors

XYZ(47.6918, 58.1987,
103.3276)

Have a look what the booklet for
XYZ(47.6918, 58.1987, 103.3276)
contains.

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Color

**XYZ(47.6901, 58.1967,
103.3273)**

Conversions

Conversions Part 1

Format	Color
Hex	67D6FF
RGB	103, 214, 255
RGB Percent	40%, 84%, 100%
CMY	0.5960, 0.1608, 0.0000
CMYK	0.60, 0.16, 0.00, 0.00
HSL	196°, 100%, 70%
HSV	196°, 60%, 100%
XYZ	47.6901, 58.1967, 103.3273
YIQ	185.4850, -79.3170, -10.7810

Conversions

Conversions Part 2

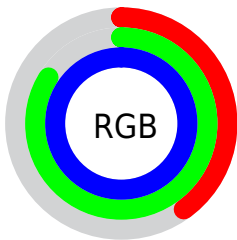
Format	Color
RYB	103, 167, 255
Decimal	6805247
CIELab	80.85, -20.13, -29.56
CIElCh	81, 35.766, 235.739
Yxy	58.1967, 0.2279, 0.2782
Android (android.graphics.Color)	4284995327 (0xFF67D6FF)
YUV	185.4850, 34.2709, -72.3393
Hunter-Lab	76.2868, -21.9139, -26.9051

Details

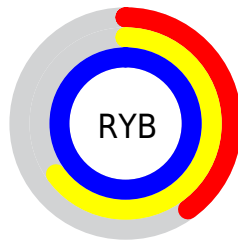
The XYZ color **47.6901, 58.1967, 103.3273** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.6626, 42.1875, 18.1488**, and the grayscale version is **46.2327, 48.6404, 52.9694**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **22.8406, 29.0021, 57.8202** is the 20% darker color. If you saturate the color by 10%, you get **43.4948, 53.5052, 102.6429**, and if you desaturate by 10%, it is **52.8538, 63.4989, 104.0786**.

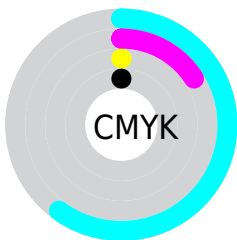
Distribution



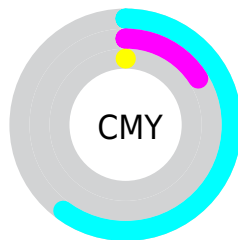
- Red (40%)
- Green (84%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6901, 58.1967, 103.3273 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 47.6901, 58.1967, 103.3273 by changing the saturation by 10% instead.

47.6901, 58.1967,
103.3273

47.6901, 58.1967,
103.3273

368.1655,
417.9185, 592.1460

33.7918, 41.9668,
78.4499

85.9553, 102.2092,
167.8138

22.8958, 29.0753,
57.9250

111.0529,
130.7607, 208.2600

14.6369, 19.1378,
41.3340

140.6143,
164.1881, 254.7328

8.6496, 11.7699,
28.2585

175.0048,
202.8759, 307.6509

4.5686, 6.5872,
18.2799

214.5898,
247.2084, 367.4327

2.0286, 3.2053,
10.9796

259.7347,

0.6499, 1.2398,

297.5701, 434.4968

5.9391

310.8048,
354.3453, 509.2617

■ 0.0000, 0.0939,
2.7399

■ 0.0000, 0.0000,
0.9634

■ 47.6901, 58.1967,
103.3273

■ 47.6901, 58.1967,
103.3273

■ 43.4948, 53.5052,
102.6429

■ 52.8538, 63.4989,
104.0786

■ 40.1781, 49.3733,
102.0201

■ 59.0552, 69.4453,
104.8995

■ 37.6407, 45.7495,
101.4544

■ 66.3627, 76.0737,
105.7937

■ 35.7251, 42.5514,
100.9381

■ 74.8372, 83.4166,
106.7644

■ 35.6550, 42.4300,
100.9183

■ 84.5350, 91.5044,
107.8144

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.



43.4703, 58.1967, 82.7443



47.6901, 58.1967, 103.3273



54.2645, 58.1967, 113.2621

Triad

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



47.6901, 58.1967, 103.3273



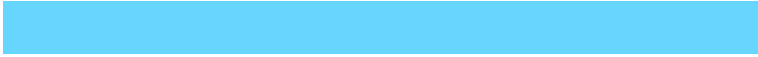
70.7382, 58.1967, 66.4403



49.3669, 58.1967, 33.3100

Complementary

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



47.6901, 58.1967, 103.3273



53.6626, 42.1875, 18.1488

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.



56.3774, 58.1967, 30.8170



47.6901, 58.1967, 103.3273



69.1349, 58.1967, 47.2778

Square

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



47.6901, 58.1967, 103.3273



67.9163, 58.1967, 89.1643



63.7105, 58.1967, 35.3199



44.3762, 58.1967, 43.0965

Rectangle

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



47.6901, 58.1967, 103.3273



59.2610, 58.1967, 111.1923



63.7105, 58.1967, 35.3199



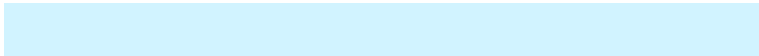
51.5467, 58.1967, 31.6997

Sweetspot

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



47.6918, 58.1987, 103.3276



76.3096, 84.6635, 106.9275



46.3533, 76.4036, 38.5056



15.7669, 17.6405, 22.8239



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.



47.6918, 58.1987, 103.3276



42.6237, 52.4662, 102.4882



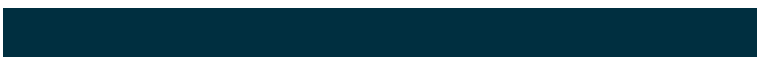
32.8009, 28.4170, 98.3640



18.1161, 19.6039, 23.0791



18.7606, 22.4307, 52.7754



1.9171, 2.3649, 5.1687

Inverse Universe

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



58.2290, 35.8173, 67.4648



54.5959, 30.2484, 61.0212



69.1600, 73.1822, 23.3145



18.5713, 18.2118, 21.6254



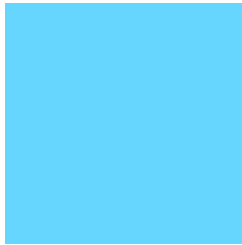
26.2577, 12.9924, 25.8051



2.6023, 1.2833, 2.7530

Previews

White Background



This preview shows how the XYZ color 47.6901, 58.1967, 103.3273 looks on a white background.

Color Contrast Check

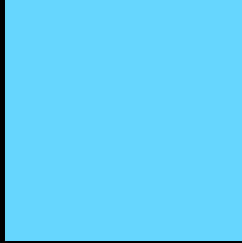
Large Text (above 18pt) WCAG AA × Fail

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 47.6901, 58.1967, 103.3273 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

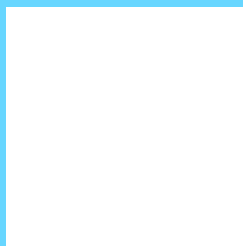
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6901, 58.1967, 103.3273

Background



This preview shows how black text looks on a background with the XYZ color 47.6901, 58.1967, 103.3273.

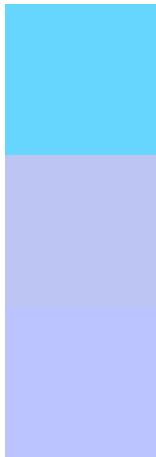


This preview shows how white text looks on a background with the XYZ color 47.6901, 58.1967,

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

47.6901, 58.1967, 103.3273

Protanopia

57.3580, 57.6780, 92.9039

Deuteranopia

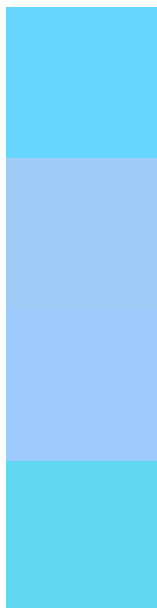
58.5290, 57.3912, 102.6005



Tritanopia

44.4243, 58.0036, 87.4517

Trichromacy



Original Color

47.6901, 58.1967, 103.3273

Protanomaly

52.4819, 57.1702, 96.2646

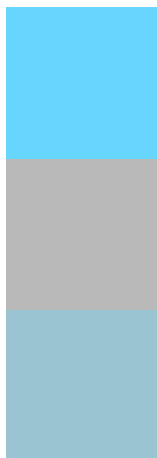
Deuteranomaly

53.3106, 57.1000, 102.8194

Tritanomaly

45.5126, 58.0639, 92.8131

Monochromacy



Original Color

47.6901, 58.1967, 103.3273

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.8904, 51.1016, 68.4704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6901, 58.1967, 103.3273 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(103, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 214, 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(103, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6901, 58.1967, 103.3273 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(103, 214, 255) }
```


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

```
.border{ border-color:rgb(103, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6901, 58.1967, 103.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 214, 255) }
```

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

```
.background{ background-color: rgb(103,  
214, 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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