

# Converting Colors

XYZ(48.3000, 53.9838,  
108.4994)

Have a look what the booklet for  
XYZ(48.3000, 53.9838, 108.4994)  
contains.

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# **Color**

**XYZ(47.1966, 53.5986,  
102.4658)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ACAFF
RGB	122, 202, 255
RGB Percent	48%, 79%, 100%
CMY	0.5215, 0.2078, 0.0000
CMYK	0.52, 0.21, 0.00, 0.00
HSL	204°, 100%, 74%
HSV	204°, 52%, 100%
XYZ	47.1966, 53.5986, 102.4658
YIQ	184.1220, -64.6930, -0.4770

# Conversions

## Conversions Part 2

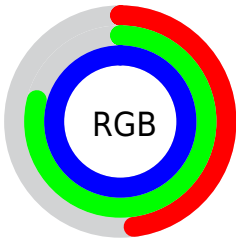
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	122, 172, 255
Decimal	8047359
CIELab	78.23, -10.21, -33.53
CIELCh	78, 35.051, 253.060
Yxy	53.5986, 0.2322, 0.2637
Android (android.graphics.Color)	4286237439 (0xFF7ACAFF)
YUV	184.1220, 34.9429, -54.4810
Hunter-Lab	73.2111, -13.0467, -31.7342

# Details

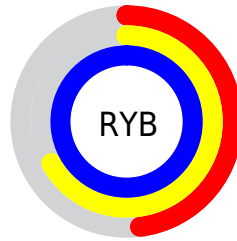
The XYZ color **47.1966, 53.5986, 102.4658** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.0840, 53.3267, 25.5409**, and the grayscale version is **45.4676, 47.8355, 52.0928**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **22.5866, 26.1868, 57.2902** is the 20% darker color. If you saturate the color by 10%, you get **41.7422, 47.3640, 101.5499**, and if you desaturate by 10%, it is **53.7583, 60.6393, 103.4789**.

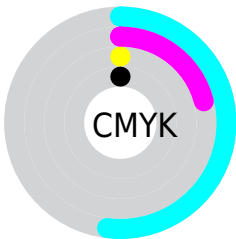
# Distribution



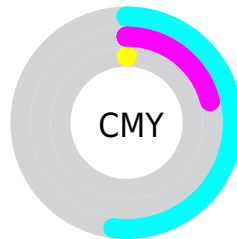
- Red (48%)
- Green (79%)
- Blue (100%)



- Red (48%)
- Yellow (67%)
- Blue (100%)



- Cyan (52%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (21%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1966, 53.5986, 102.4658 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 47.1966, 53.5986, 102.4658 by changing the saturation by 10% instead.



47.1966, 53.5986,  
102.4658

47.1966, 53.5986,  
102.4658

366.2345,  
400.5775, 589.3837

33.3997, 38.2808,  
77.7331

85.2240, 95.4846,  
166.6230

22.5935, 26.2007,  
57.3396

110.1851,  
122.8217, 206.8846

14.4127, 16.9739,  
40.8668

139.5985,  
154.9340, 253.1595

8.4919, 10.2159,  
27.8961

173.8293,  
192.2059, 305.8664

4.4657, 5.5423,  
18.0090

213.2429,  
235.0218, 365.4237

1.9688, 2.5688,  
10.7869

258.2048,

0.6164, 0.9110,

283.7661, 432.2500

5.8114

309.0802,  
338.8232, 506.7638

■ 0.0000, 0.0000,  
2.6638

■ 0.0000, 0.0000,  
0.9251

■ 47.1966, 53.5986,  
102.4658

■ 47.1966, 53.5986,  
102.4658

■ 41.7422, 47.3640,  
101.5499

■ 53.7583, 60.6393,  
103.4789

■ 37.3115, 41.8847,  
100.7258

■ 61.4930, 68.5210,  
104.5926

■ 33.8156, 37.1114,  
99.9887

■ 70.4666, 77.2829,  
105.8109

■ 31.1459, 32.9833,  
99.3326

■ 80.7383, 86.9599,  
107.1373

■ 29.5042, 30.1284,  
98.8681

■ 92.3634, 97.5842,  
108.5753

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.



41.9019, 53.5986, 88.1361



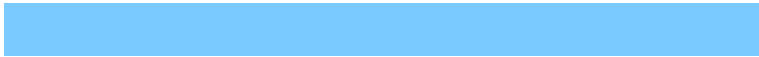
47.1966, 53.5986, 102.4658



53.9828, 53.5986, 103.4323

# Triad

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



47.1966, 53.5986, 102.4658



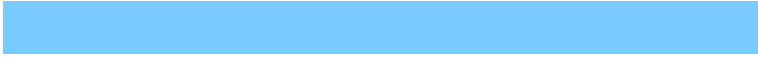
64.9027, 53.5986, 50.2334



42.4587, 53.5986, 34.8826

# Complementary

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



47.1966, 53.5986, 102.4658



60.0840, 53.3267, 25.5409

# 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.



48.0212, 53.5986, 28.7547



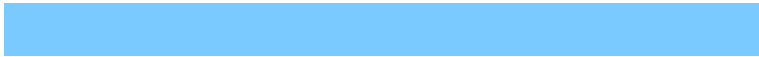
47.1966, 53.5986, 102.4658



61.2011, 53.5986, 36.1817

# Square

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



47.1966, 53.5986, 102.4658



64.6315, 53.5986, 70.0725



54.8844, 53.5986, 29.1697

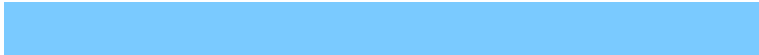


39.3395, 53.5986, 48.0309



# Rectangle

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



47.1966, 53.5986, 102.4658



58.4830, 53.5986, 96.0878



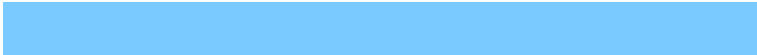
54.8844, 53.5986, 29.1697



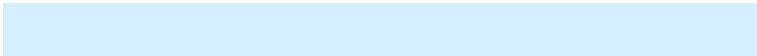
44.0822, 53.5986, 32.0809

# Sweetspot

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



47.1982, 53.6005, 102.4661



76.6308, 83.1280, 106.6142



51.3286, 78.6747, 52.0092



15.9489, 17.3660, 22.7613



0.0000, 0.0000, 0.0000

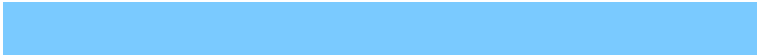


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.1982, 53.6005, 102.4661



41.3289, 46.8719, 101.4767



35.0971, 29.3983, 98.4324



17.9120, 19.1955, 23.0110



15.5666, 16.0427, 51.7107



1.6225, 1.7758, 5.0705



# Inverse Universe

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



58.8614, 39.4451, 60.3903



54.6759, 33.0886, 52.7848



75.7617, 84.6822, 30.7668



18.4682, 18.1706, 21.0827



24.6455, 12.3475, 17.3154

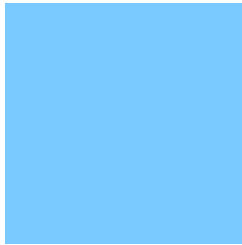


2.4536, 1.2238, 1.9700



# Previews

## White Background



This preview shows how the XYZ color 47.1966, 53.5986, 102.4658 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

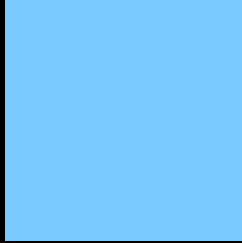
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.1966, 53.5986, 102.4658 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

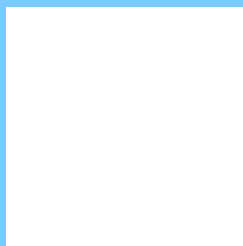
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 47.1966, 53.5986, 102.4658

## Background



This preview shows how black text looks on a background with the XYZ color 47.1966, 53.5986, 102.4658.



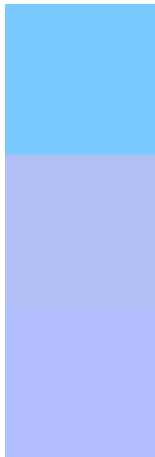
This preview shows how white text looks on a background with the XYZ color 47.1966, 53.5986,



# 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

47.1966, 53.5986, 102.4658

### Protanopia

53.4081, 52.9457, 94.5934

### Deuteranopia

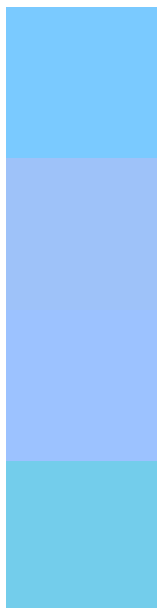
54.3680, 53.2770, 102.0257



## **Tritanopia**

42.3229, 53.3870, 78.5951

# Trichromacy



## Original Color

47.1966, 53.5986, 102.4658

## Protanomaly

50.4912, 52.6922, 97.1320

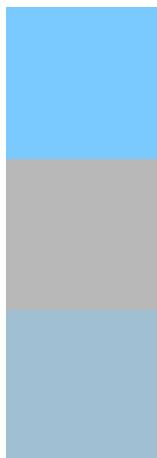
## Deuteranomaly

51.0521, 52.8715, 102.1222

## Tritanomaly

43.8969, 53.3056, 86.5727

# Monochromacy



## Original Color

47.1966, 53.5986, 102.4658

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

44.9616, 49.4918, 68.1559

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1966, 53.5986, 102.4658 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(122, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 202, 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(122, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 202, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1966, 53.5986, 102.4658 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(122, 202, 255) }
```



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

```
.border{ border-color:rgb(122, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 202,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1966, 53.5986, 102.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 202, 255) }
```

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

```
.background{ background-color: rgb(122,  
202, 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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