

# Converting Colors

XYZ(40.5351, 48.2890,  
101.7920)

Have a look what the booklet for  
XYZ(40.5351, 48.2890, 101.7920)  
contains.

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# **Color**

**XYZ(40.6148, 48.4921,  
101.8270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47C5FF
RGB	71, 197, 255
RGB Percent	28%, 77%, 100%
CMY	0.7215, 0.2274, 0.0000
CMYK	0.72, 0.23, 0.00, 0.00
HSL	199°, 100%, 64%
HSV	199°, 72%, 100%
XYZ	40.6148, 48.4921, 101.8270
YIQ	165.9380, -93.7140, -8.6740

# Conversions

## Conversions Part 2

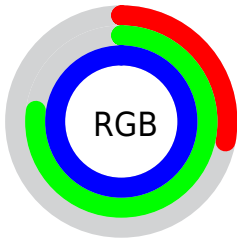
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 146, 255
Decimal	4703743
CIE <sub>Lab</sub>	75.13, -16.22, -38.45
CIE <sub>LCh</sub>	75, 41.734, 247.136
Yxy	48.4921, 0.2127, 0.2540
Android (android.graphics.Color)	4282893823 (0xFF47C5FF)
YUV	165.9380, 43.9076, -83.2606
Hunter-Lab	69.6363, -17.7548, -37.9526

# Details

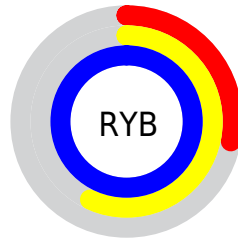
The XYZ color **40.6148, 48.4921, 101.8270** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **50.2294, 37.4184, 10.5385**, and the grayscale version is **36.0450, 37.9222, 41.2972**.

A 20% lighter version of the original color is **64.4763, 83.7663, 107.3780**, and **20.0155, 23.7221, 56.9500** is the 20% darker color. If you saturate the color by 10%, you get **37.3448, 44.1694, 101.1650**, and if you desaturate by 10%, it is **44.7691, 53.4169, 102.5586**.

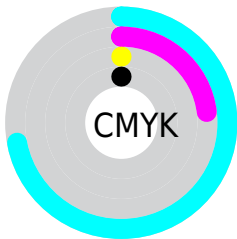
# Distribution



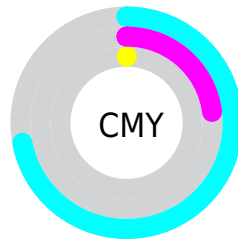
- Red (28%)
- Green (77%)
- Blue (100%)



- Red (28%)
- Yellow (57%)
- Blue (100%)



- Cyan (72%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (23%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6148, 48.4921, 101.8270 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 40.6148, 48.4921, 101.8270 by changing the saturation by 10% instead.



40.6148, 48.4921,  
101.8270

40.6148, 48.4921,  
101.8270

339.7982,  
380.7394, 587.3311

28.2046, 34.2168,  
77.2019

75.3772, 87.9366,  
165.7394

18.6212, 23.0602,  
56.9060

98.4601, 113.8746,  
205.8637

11.4992, 14.6379,  
40.5209

125.8312,  
144.4689, 251.9914

6.4734, 8.5657,  
27.6281

157.8560,  
180.1040, 304.5412

3.1784, 4.4590,  
17.8089

194.8997,  
221.1642, 363.9315

1.2488, 1.9335,  
10.6448

237.3278,

0.1444, 0.5684,

268.0339, 430.5809

5.7174

285.5055,  
321.0975, 504.9079

■ 0.0000, 0.0000,  
2.6080

■ 0.0000, 0.0000,  
0.8966

■ 40.6148, 48.4921,  
101.8270

■ 40.6148, 48.4921,  
101.8270

■ 37.3448, 44.1694,  
101.1650

■ 44.7691, 53.4169,  
102.5586

■ 34.8476, 40.3865,  
100.5665

■ 49.8920, 58.9868,  
103.3637

■ 33.3056, 37.7312,  
100.1352

■ 56.0623, 65.2454,  
104.2466

■ 63.3488, 72.2305,  
105.2108

■ 71.8145, 79.9763,  
106.2597

■ 81.5172, 88.5147,  
107.3964

■ 92.5108, 97.8755,  
108.6238

■ 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.



35.3430, 48.4921, 82.4888



40.6148, 48.4921, 101.8270



47.9393, 48.4921, 106.5139

# Triad

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



40.6148, 48.4921, 101.8270



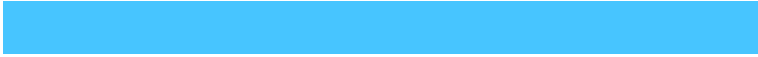
62.2573, 48.4921, 47.7440



37.7784, 48.4921, 25.8604

# Complementary

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



40.6148, 48.4921, 101.8270



50.2294, 37.4184, 10.5385

# 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.



44.2894, 48.4921, 21.0894



40.6148, 48.4921, 101.8270



58.8213, 48.4921, 31.2558

# Square

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



40.6148, 48.4921, 101.8270



60.9946, 48.4921, 70.8916



52.0370, 48.4921, 22.7472



33.8362, 48.4921, 38.0817



# Rectangle

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



40.6148, 48.4921, 101.8270



53.1204, 48.4921, 99.7875



52.0370, 48.4921, 22.7472



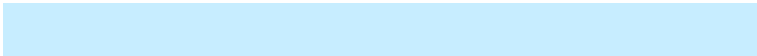
39.7095, 48.4921, 23.5115

# Sweetspot

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



40.6163, 48.4937, 101.8273



71.9524, 80.0999, 106.2763



42.1389, 74.3718, 31.9437



14.8827, 16.6779, 22.6847



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.



40.6163, 48.4937, 101.8273



36.0450, 42.2718, 100.8672



25.9921, 19.2453, 96.9525



18.0436, 19.4588, 23.0549



17.5428, 19.9953, 52.3695



1.8062, 2.1430, 5.1317



# Inverse Universe

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



53.5724, 29.7995, 55.7531



50.5521, 25.8617, 48.2635



67.5017, 71.9631, 16.2960



18.5347, 18.1972, 21.4326



25.6430, 12.7465, 22.5684

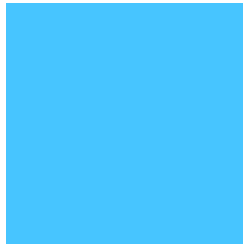


2.5463, 1.2609, 2.4581



# Previews

## White Background



This preview shows how the XYZ color 40.6148, 48.4921, 101.8270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

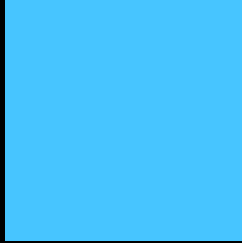
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.6148, 48.4921, 101.8270 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

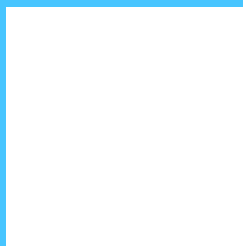
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 40.6148, 48.4921, 101.8270

## Background



This preview shows how black text looks on a background with the XYZ color 40.6148, 48.4921, 101.8270.



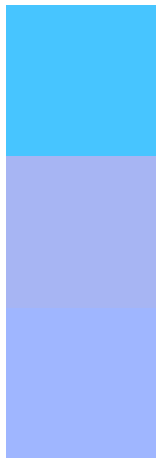
This preview shows how white text looks on a background with the XYZ color 40.6148, 48.4921,



# 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

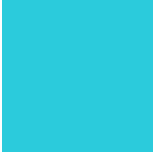
40.6148, 48.4921, 101.8270

### Protanopia

48.6379, 47.7343, 91.4442

### Deuteranopia

49.0760, 48.0468, 101.2951



## **Tritanopia**

35.2705, 48.3928, 75.1919

# Trichromacy



## Original Color

40.6148, 48.4921, 101.8270

## Protanomaly

44.0745, 47.1616, 94.7758

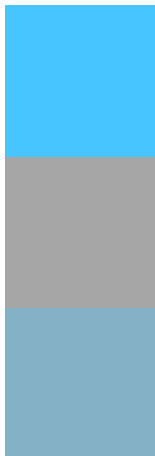
## Deuteranomaly

44.5727, 47.2727, 101.3830

## Tritanomaly

37.0628, 48.4134, 84.4821

# Monochromacy



## Original Color

40.6148, 48.4921, 101.8270

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

35.2753, 40.3468, 59.3546

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.6148, 48.4921, 101.8270 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(71, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 197, 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(71, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 197, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 40.6148, 48.4921, 101.8270 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(71, 197, 255) }
```



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

```
.border{ border-color:rgb(71, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 197,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.6148, 48.4921, 101.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 197, 255) }
```

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

```
.background{ background-color: rgb(71, 197,  
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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