

Converting Colors

XYZ(40.5397, 48.5707,
101.8462)

Have a look what the booklet for
XYZ(40.5397, 48.5707, 101.8462)
contains.

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Color

**XYZ(40.4705, 48.4177,
101.8203)**

Conversions

Conversions Part 1

Format	Color
Hex	45C5FF
RGB	69, 197, 255
RGB Percent	27%, 77%, 100%
CMY	0.7294, 0.2274, 0.0000
CMYK	0.73, 0.23, 0.00, 0.00
HSL	199°, 100%, 64%
HSV	199°, 73%, 100%
XYZ	40.4705, 48.4177, 101.8203
YIQ	165.3400, -94.9060, -9.0980

Conversions

Conversions Part 2

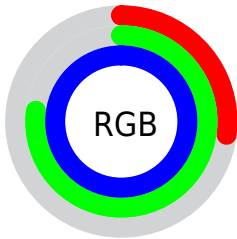
Format	Color
R _{YB}	69, 145, 255
Decimal	4572671
CIE _{Lab}	75.09, -16.46, -38.53
CIE _{LCh}	75, 41.900, 246.867
Y _{xy}	48.4177, 0.2122, 0.2539
Android (android.graphics.Color)	4282762751 (0xFF45C5FF)
YUV	165.3400, 44.2024, -84.4902
Hunter-Lab	69.5828, -17.9515, -38.0509

Details

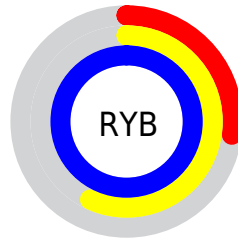
The XYZ color **40.4705, 48.4177, 101.8203** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **49.9054, 36.8714, 10.1190**, and the grayscale version is **35.7567, 37.6189, 40.9669**.

A 20% lighter version of the original color is **64.1393, 83.5926, 107.3622**, and **20.0155, 23.7221, 56.9500** is the 20% darker color. If you saturate the color by 10%, you get **37.2764, 44.1617, 101.1671**, and if you desaturate by 10%, it is **44.5393, 53.2677, 102.5420**.

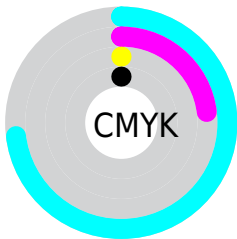
Distribution



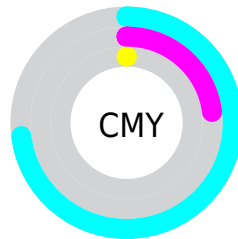
- Red (27%)
- Green (77%)
- Blue (100%)



- Red (27%)
- Yellow (57%)
- Blue (100%)



- Cyan (73%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4705, 48.4177, 101.8203 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 40.4705, 48.4177, 101.8203 by changing the saturation by 10% instead.

40.4705, 48.4177,
101.8203

40.4705, 48.4177,
101.8203

339.2032,
380.4454, 587.3095

28.0914, 34.1578,
77.1963

75.1592, 87.8260,
165.7301

18.5354, 23.0148,
56.9015

98.1996, 113.7432,
205.8529

11.4371, 14.6045,
40.5173

125.5244,
144.3149, 251.9792

6.4311, 8.5423,
27.6253

157.4991,
179.9255, 304.5273

3.1521, 4.4438,
17.8068

194.4890,
220.9595, 363.9158

1.2347, 1.9248,
10.6434

236.8594,

0.1335, 0.5632,

267.8012, 430.5634

5.7164

284.9757,
320.8351, 504.8884

■ 0.0000, 0.0000,
2.6074

■ 0.0000, 0.0000,
0.8963

■ 40.4705, 48.4177,
101.8203

■ 40.4705, 48.4177,
101.8203

■ 37.2764, 44.1617,
101.1671

■ 44.5393, 53.2677,
102.5420

■ 34.8437, 40.4367,
100.5763

■ 49.5682, 58.7553,
103.3361

■ 33.4739, 38.0677,
100.1913

■ 55.6367, 64.9244,
104.2070

■ 62.8142, 71.8129,
105.1583

■ 71.1639, 79.4552,
106.1934

■ 80.7441, 87.8833,
107.3152

■ 91.6088, 97.1271,
108.5268

■ 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.



35.2100, 48.4177, 82.3027



40.4705, 48.4177, 101.8203



47.8037, 48.4177, 106.6883

Triad

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



40.4705, 48.4177, 101.8203



62.2520, 48.4177, 47.8329



37.7340, 48.4177, 25.6536

Complementary

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



40.4705, 48.4177, 101.8203



49.9054, 36.8714, 10.1190

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.



44.2804, 48.4177, 20.9426



40.4705, 48.4177, 101.8203



58.8419, 48.4177, 31.2390

Square

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



40.4705, 48.4177, 101.8203



60.9416, 48.4177, 71.0944



52.0540, 48.4177, 22.6573



33.7569, 48.4177, 37.8181

Rectangle

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



40.4705, 48.4177, 101.8203



53.0042, 48.4177, 100.0291



52.0540, 48.4177, 22.6573



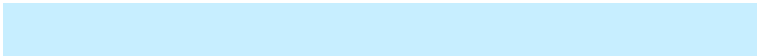
39.6772, 48.4177, 23.3254

Sweetspot

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



40.4720, 48.4193, 101.8205



72.0075, 80.2102, 106.2947



41.9047, 74.2615, 31.4635



14.8958, 16.7041, 22.6891



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.



40.4720, 48.4193, 101.8205



35.9570, 42.2130, 100.8605



25.6810, 18.8372, 96.8902



18.0490, 19.4696, 23.0567



17.6301, 20.1699, 52.3986



1.8142, 2.1590, 5.1344

Inverse Universe

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



53.4473, 29.5492, 55.7114



50.4791, 25.7230, 48.2166



67.3348, 71.7304, 15.9288



18.5374, 18.1983, 21.4470



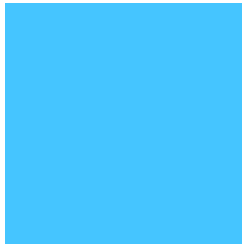
25.6871, 12.7641, 22.8004



2.5503, 1.2625, 2.4794

Previews

White Background



This preview shows how the XYZ color 40.4705, 48.4177, 101.8203 looks on a white background.

Color Contrast Check

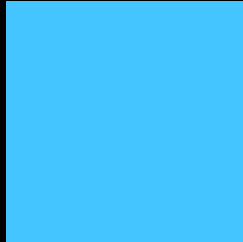
Large Text (above 18pt) WCAG AA × Fail

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 40.4705, 48.4177, 101.8203 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

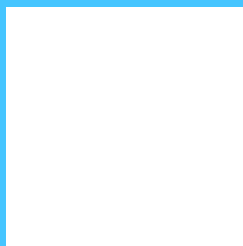
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4705, 48.4177, 101.8203

Background



This preview shows how black text looks on a background with the XYZ color 40.4705, 48.4177, 101.8203.

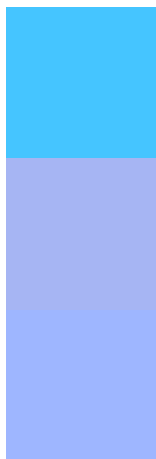


This preview shows how white text looks on a background with the XYZ color 40.4705, 48.4177,

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

40.4705, 48.4177, 101.8203

Protanopia

48.4274, 47.6258, 91.4343

Deuteranopia

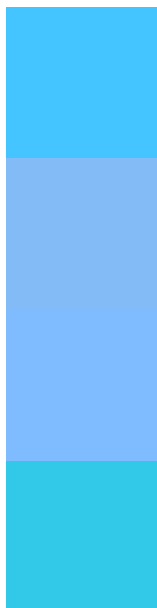
48.8785, 47.9450, 101.2859



Tritanopia

35.1109, 48.3105, 75.1845

Trichromacy



Original Color

40.4705, 48.4177, 101.8203

Protanomaly

43.9189, 47.0813, 94.7685

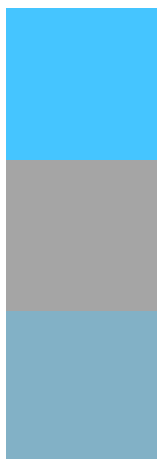
Deuteranomaly

44.4245, 47.1963, 101.3761

Tritanomaly

36.9100, 48.3346, 84.4749

Monochromacy



Original Color

40.4705, 48.4177, 101.8203

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.1211, 40.2673, 59.3474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4705, 48.4177, 101.8203 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(69, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 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(69, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 197, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.4705, 48.4177, 101.8203 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(69, 197, 255) }
```


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

```
.border{ border-color:rgb(69, 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(69, 197, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 197,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4705, 48.4177, 101.8203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 197, 255) }
```

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

```
.background{ background-color: rgb(69, 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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