

Converting Colors

XYZ(40.3808, 46.9217, 90.6380)

Have a look what the booklet for
XYZ(40.3808, 46.9217, 90.6380)
contains.

XYZ(40.4702, 46.9936, 90.9421)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.4702, 46.9936,
90.9421)**

Conversions

Conversions Part 1

Format	Color
Hex	67C0F2
RGB	103, 192, 242
RGB Percent	40%, 75%, 95%
CMY	0.5960, 0.2470, 0.0510
CMYK	0.57, 0.21, 0.00, 0.05
HSL	202°, 84%, 68%
HSV	202°, 57%, 95%
XYZ	40.4702, 46.9936, 90.9421
YIQ	171.0890, -69.0940, -3.3180

Conversions

Conversions Part 2

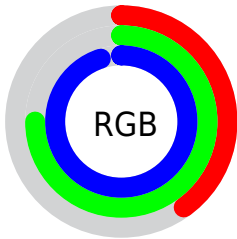
Format	Color
R _Y B	103, 157, 242
Decimal	6799602
CIE Lab	74.19, -12.57, -32.86
CIE LCh	74, 35.181, 249.058
Yxy	46.9936, 0.2268, 0.2634
Android (android.graphics.Color)	4284989682 (0xFF67C0F2)
YUV	171.0890, 34.9591, -59.7141
Hunter-Lab	68.5519, -14.5868, -30.6688

Details

The XYZ color **40.4702, 46.9936, 90.9421** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.4592, 42.6414, 18.4051**, and the grayscale version is **38.6098, 40.6205, 44.2358**.

A 20% lighter version of the original color is **66.7217, 82.1413, 106.9460**, and **18.6310, 22.2864, 49.7741** is the 20% darker color. If you saturate the color by 10%, you get **36.2305, 42.0547, 90.2131**, and if you desaturate by 10%, it is **45.6292, 52.5761, 91.7486**.

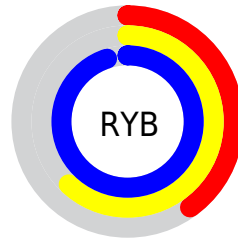
Distribution



Red (40%)

Green (75%)

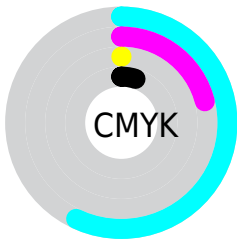
Blue (95%)



Red (40%)

Yellow (62%)

Blue (95%)

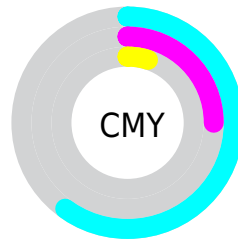


Cyan (57%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (60%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4702, 46.9936, 90.9421 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 40.4702, 46.9936, 90.9421 by changing the saturation by 10% instead.

40.4702, 46.9936,
90.9421

40.4702, 46.9936,
90.9421

339.2020,
374.7890, 551.7397

28.0912, 33.0306,
68.1842

75.1588, 85.7041,
150.5933

18.5352, 22.1499,
49.5800

98.1991, 111.2203,
188.3236

11.4369, 13.9671,
34.7109

125.5238,
141.3565, 231.8817

6.4310, 8.0978,
23.1585

157.4984,
176.4968, 281.6863

3.1520, 4.1576,
14.5042

194.4881,
217.0259, 338.1559

1.2346, 1.7621,
8.3294

236.8584,

0.1335, 0.4634,

263.3280, 401.7090

4.2157

284.9746,
315.7876, 472.7640

■ 0.0000, 0.0000,
1.7444

■ 0.0000, 0.0000,
0.3909

■ 40.4702, 46.9936,
90.9421

■ 40.4702, 46.9936,
90.9421

■ 36.2305, 42.0547,
90.2131

■ 45.6292, 52.5761,
91.7486

■ 32.8320, 37.7135,
89.5543

■ 51.7675, 58.8332,
92.6328

■ 30.1902, 33.9244,
88.9622

■ 58.9452, 65.7995,
93.5992

■ 28.1926, 30.6264,
88.4309

■ 67.2162, 73.5055,
94.6506

■ 27.7400, 29.8366,
88.3023

■ 76.6301, 81.9794,
95.7901

■ 87.2336, 91.2477,
97.0202

■ 92.3733, 97.8831,
98.0301

■ 93.0272, 99.1909,
98.2480

Harmonies

Analogous

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



35.8955, 46.9936, 76.3207



40.4702, 46.9936, 90.9421



46.6026, 46.9936, 93.7003

Triad

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



40.4702, 46.9936, 90.9421



57.7441, 46.9936, 45.8926



37.4521, 46.9936, 28.6597

Complementary

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



40.4702, 46.9936, 90.9421



50.4592, 42.6414, 18.4051

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.



42.7838, 46.9936, 23.9626



40.4702, 46.9936, 90.9421



54.7601, 46.9936, 32.2553

Square

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



40.4702, 46.9936, 90.9421



56.9764, 46.9936, 64.6127



49.1422, 46.9936, 25.1025



34.2703, 46.9936, 39.7312

Rectangle

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



40.4702, 46.9936, 90.9421



50.8188, 46.9936, 87.9278



49.1422, 46.9936, 25.1025



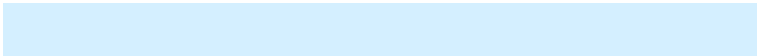
39.0310, 46.9936, 26.4171

Sweetspot

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



40.4718, 46.9953, 90.9432



76.0861, 83.1362, 106.6445



42.9862, 68.6447, 40.5421



15.8600, 17.4042, 22.7734



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.



40.4718, 46.9953, 90.9432



40.0641, 46.4554, 101.4629



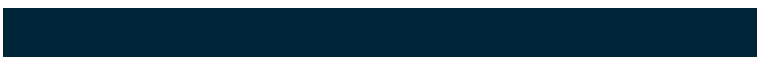
28.8113, 23.6743, 87.0564



15.7414, 16.9168, 20.1572



15.0361, 16.2964, 47.4809



1.3447, 1.5434, 3.9812

Inverse Universe

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



50.9841, 32.3853, 53.4345



53.5216, 30.6520, 52.7950



64.9636, 71.6502, 23.2399



16.1989, 15.9293, 18.6036



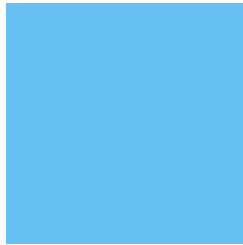
22.9151, 11.4385, 18.0015



1.9537, 0.9705, 1.7470

Previews

White Background



This preview shows how the XYZ color 40.4702, 46.9936, 90.9421 looks on a white background.

Color Contrast Check

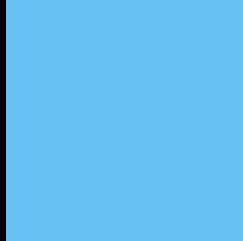
Large Text (above 18pt) WCAG AA × Fail

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 40.4702, 46.9936, 90.9421 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

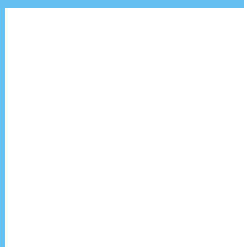
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4702, 46.9936, 90.9421

Background



This preview shows how black text looks on a background with the XYZ color 40.4702, 46.9936, 90.9421.



This preview shows how white text looks on a background with the XYZ color 40.4702, 46.9936,

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

40.4702, 46.9936, 90.9421

Protanopia

46.9765, 46.4482, 83.5803

Deuteranopia

47.7058, 46.6193, 92.8703



Tritanopia

36.2909, 46.9607, 70.1024

Trichromacy



Original Color

40.4702, 46.9936, 90.9421

Protanomaly

43.7824, 46.2664, 85.9796

Deuteranomaly

44.4541, 46.4754, 92.2156

Tritanomaly

37.6890, 46.8449, 77.5766

Monochromacy



Original Color

40.4702, 46.9936, 90.9421

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.0522, 42.3824, 58.9984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4702, 46.9936, 90.9421 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, 192, 242)` looks like.

```
.text, #text, p{  
    color:rgb(103, 192, 242)  
}
```

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, 192, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 192, 242) }
```

Border

The CSS property to change the border of an element to XYZ 40.4702, 46.9936, 90.9421 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, 192, 242) }
```


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

```
.border{ border-color:rgb(103, 192, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 192, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 192, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 192, 242);  
box-shadow:4px 4px 4px 4px rgb(103, 192,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4702, 46.9936, 90.9421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 192, 242) }
```

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

```
.background{ background-color: rgb(103,  
192, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor