

Converting Colors

XYZ(40.9194, 45.8680, 91.3416)

Have a look what the booklet for
XYZ(40.9194, 45.8680, 91.3416)
contains.

XYZ(40.9709, 45.9482, 91.5035)	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(40.9709, 45.9482,
91.5035)**

Conversions

Conversions Part 1

Format	Color
Hex	71BCF3
RGB	113, 188, 243
RGB Percent	44%, 74%, 95%
CMY	0.5568, 0.2627, 0.0471
CMYK	0.53, 0.23, 0.00, 0.05
HSL	205°, 84%, 70%
HSV	205°, 53%, 95%
XYZ	40.9709, 45.9482, 91.5035
YIQ	171.8450, -62.3550, 1.2050

Conversions

Conversions Part 2

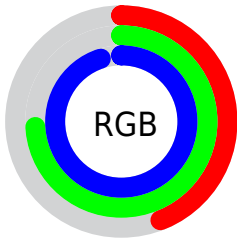
Format	Color
R _Y B	113, 161, 243
Decimal	7453939
CIE Lab	73.51, -8.13, -34.41
CIE LCh	74, 35.352, 256.712
Yxy	45.9482, 0.2296, 0.2575
Android (android.graphics.Color)	4285644019 (0xFF71BCF3)
YUV	171.8450, 35.0794, -51.6071
Hunter-Lab	67.7851, -10.7344, -32.5863

Details

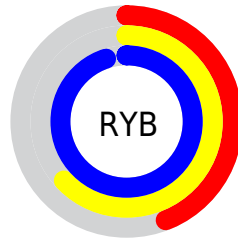
The XYZ color **40.9709, 45.9482, 91.5035** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.9469, 48.2541, 22.0952**, and the grayscale version is **38.9867, 41.0170, 44.6676**.

A 20% lighter version of the original color is **67.4139, 80.6920, 106.6298**, and **18.9002, 21.5688, 50.1807** is the 20% darker color. If you saturate the color by 10%, you get **36.1346, 40.3107, 90.6711**, and if you desaturate by 10%, it is **46.8036, 52.3334, 92.4294**.

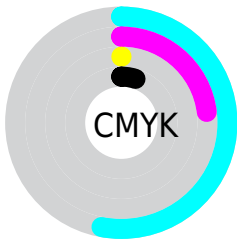
Distribution



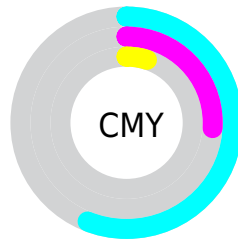
- Red (44%)
- Green (74%)
- Blue (95%)



- Red (44%)
- Yellow (63%)
- Blue (95%)



- Cyan (53%)
- Magenta (23%)
- Yellow (0%)
- Black (5%)



- Cyan (56%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9709, 45.9482, 91.5035 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 40.9709, 45.9482, 91.5035 by changing the saturation by 10% instead.

40.9709, 45.9482,
91.5035

40.9709, 45.9482,
91.5035

341.2636,
370.6004, 553.6054

28.4839, 32.2049,
68.6476

75.9147, 84.1415,
151.3788

18.8331, 21.5181,
49.9548

99.1022, 109.3603,
189.2352

11.6530, 13.5032,
35.0065

126.5873,
139.1731, 232.9290

6.5784, 7.7760,
23.3843

158.7353,
173.9642, 282.8785

3.2438, 3.9519,
14.6696

195.9116,
214.1181, 339.5024

1.2840, 1.6467,
8.4438

238.4815,

0.1712, 0.3888,

260.0192, 403.2191

4.2884

286.8104,
312.0518, 474.4473

■ 0.0000, 0.0000,
1.7848

■ 0.0000, 0.0000,
0.4179

■ 40.9709, 45.9482,
91.5035

■ 40.9709, 45.9482,
91.5035

■ 36.1346, 40.3107,
90.6711

■ 46.8036, 52.3334,
92.4294

■ 32.2183, 35.3741,
89.9247

■ 53.6920, 59.4989,
93.4494

■ 29.1411, 31.0925,
89.2604

■ 61.6960, 67.4809,
94.5683

■ 26.8032, 27.4095,
88.6728

■ 70.8693, 76.3116,
95.7893

■ 25.5840, 25.2835,
88.3267

■ 81.2619, 86.0211,
97.1157

■ 91.5066, 95.9087,
98.4842

■ 93.1778, 99.2511,
99.0413

Harmonies

Analogous

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



35.9475, 45.9482, 79.4608



40.9709, 45.9482, 91.5035



47.2163, 45.9482, 90.7105

Triad

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



40.9709, 45.9482, 91.5035



56.2085, 45.9482, 40.7801



35.5038, 45.9482, 29.9650

Complementary

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



40.9709, 45.9482, 91.5035



53.9469, 48.2541, 22.0952

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.



40.3104, 45.9482, 23.7974



40.9709, 45.9482, 91.5035



52.4315, 45.9482, 28.9446

Square

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



40.9709, 45.9482, 91.5035



56.4285, 45.9482, 58.3552



46.4901, 45.9482, 23.4748



33.0000, 45.9482, 42.5364

Rectangle

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



40.9709, 45.9482, 91.5035



51.2490, 45.9482, 82.9617



46.4901, 45.9482, 23.4748



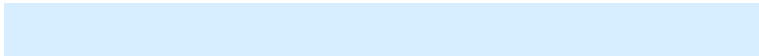
36.8819, 45.9482, 27.2200

Sweetspot

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



40.9725, 45.9499, 91.5046



76.3384, 82.5431, 106.5167



45.8526, 70.4093, 47.8156



15.8791, 17.2264, 22.7380



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.



40.9725, 45.9499, 91.5046



39.9928, 44.5832, 101.1053



30.1761, 24.3572, 87.9058



16.3752, 17.5146, 21.0602



14.1777, 14.1492, 48.5219



1.3477, 1.4469, 4.2985

Inverse Universe

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



51.9457, 34.4974, 51.4994



53.9078, 32.4229, 49.8454



68.8475, 78.0552, 27.0621



16.8999, 16.6428, 19.2197



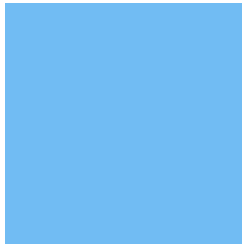
22.9608, 11.5277, 15.0337



2.0693, 1.0337, 1.5915

Previews

White Background



This preview shows how the XYZ color 40.9709, 45.9482, 91.5035 looks on a white background.

Color Contrast Check

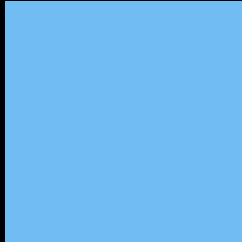
Large Text (above 18pt) WCAG AA × Fail

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 40.9709, 45.9482, 91.5035 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

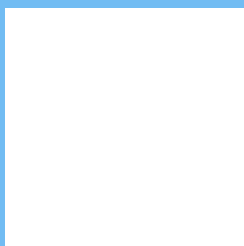
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9709, 45.9482, 91.5035

Background



This preview shows how black text looks on a background with the XYZ color 40.9709, 45.9482, 91.5035.

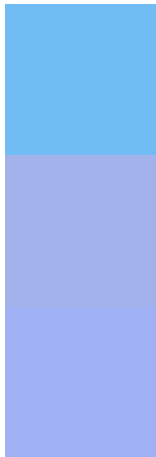


This preview shows how white text looks on a background with the XYZ color 40.9709, 45.9482,

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

40.9709, 45.9482, 91.5035

Protanopia

46.2256, 45.7315, 84.9880

Deuteranopia

46.7008, 45.5104, 92.7092



Tritanopia

36.2915, 46.0034, 67.9396

Trichromacy



Original Color

40.9709, 45.9482, 91.5035

Protanomaly

43.8376, 45.6487, 87.3895

Deuteranomaly

44.1807, 45.4190, 92.0261

Tritanomaly

37.8602, 45.9765, 75.9861

Monochromacy



Original Color

40.9709, 45.9482, 91.5035

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.8759, 42.4973, 59.5799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9709, 45.9482, 91.5035 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(113, 188, 243)` looks like.

```
.text, #text, p{  
    color:rgb(113, 188, 243)  
}
```

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(113, 188, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 188, 243) }
```

Border

The CSS property to change the border of an element to XYZ 40.9709, 45.9482, 91.5035 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(113, 188, 243) }
```


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

```
.border{ border-color:rgb(113, 188, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 188, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 188, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 188, 243);  
box-shadow:4px 4px 4px 4px rgb(113, 188,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9709, 45.9482, 91.5035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 188, 243) }
```

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

```
.background{ background-color: rgb(113,  
188, 243) }
```

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