

Converting Colors

XYZ(41.3806, 46.8157, 90.8558)

Have a look what the booklet for
XYZ(41.3806, 46.8157, 90.8558)
contains.

XYZ(41.3799, 46.8151, 90.8597)	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(41.3799, 46.8151,
90.8597)**

Conversions

Conversions Part 1

Format	Color
Hex	72BEF2
RGB	114, 190, 242
RGB Percent	45%, 75%, 95%
CMY	0.5529, 0.2549, 0.0510
CMYK	0.53, 0.21, 0.00, 0.05
HSL	204°, 83%, 70%
HSV	204°, 53%, 95%
XYZ	41.3799, 46.8151, 90.8597
YIQ	173.2040, -61.9880, 0.0600

Conversions

Conversions Part 2

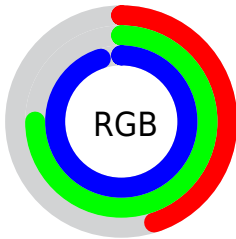
Format	Color
RYB	114, 162, 242
Decimal	7519986
CIELab	74.07, -9.28, -33.00
CIELCh	74, 34.279, 254.286
Yxy	46.8151, 0.2311, 0.2615
Android (android.graphics.Color)	4285710066 (0xFF72BEF2)
YUV	173.2040, 33.9164, -51.9219
Hunter-Lab	68.4216, -11.7847, -30.8384

Details

The XYZ color **41.3799, 46.8151, 90.8597** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.2930, 47.3666, 22.2552**, and the grayscale version is **39.6811, 41.7476, 45.4631**.

A 20% lighter version of the original color is **68.2393, 82.0158, 106.8418**, and **19.1240, 22.1146, 49.7150** is the 20% darker color. If you saturate the color by 10%, you get **36.5807, 41.2866, 90.0464**, and if you desaturate by 10%, it is **47.1585, 53.0635, 91.7621**.

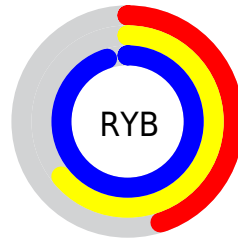
Distribution



Red (45%)

Green (75%)

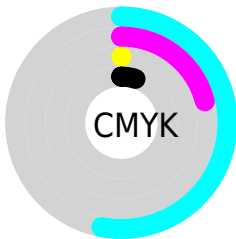
Blue (95%)



Red (45%)

Yellow (64%)

Blue (95%)

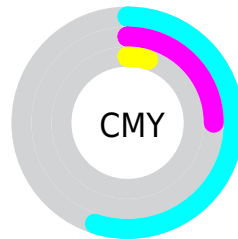


Cyan (53%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (55%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3799, 46.8151, 90.8597 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 41.3799, 46.8151, 90.8597 by changing the saturation by 10% instead.

■ 41.3799, 46.8151,
90.8597

■ 41.3799, 46.8151,
90.8597

342.9414,
374.0760, 551.4656

■ 28.8050, 32.8895,
68.1162

■ 76.5313, 85.4376,
150.4779

■ 19.0769, 22.0418,
49.5250

■ 99.8386, 110.9032,
188.1897

■ 11.8302, 13.8876,
34.6676

■ 127.4541,
140.9844, 231.7279

■ 6.6995, 8.0425,
23.1254

159.7430,
176.0654, 281.5112

■ 3.3196, 4.1222,
14.4800

197.0709,
216.5306, 337.9581

■ 1.3249, 1.7421,
8.3127

239.8030,

■ 0.2018, 0.4507,

262.7646, 401.4871

4.2050

288.3048,
315.1516, 472.5167

■ 0.0000, 0.0000,
1.7385

■ 0.0000, 0.0000,
0.3869

■ 41.3799, 46.8151,
90.8597

■ 41.3799, 46.8151,
90.8597

■ 36.5807, 41.2866,
90.0464

■ 47.1585, 53.0635,
91.7621

■ 32.6860, 36.4326,
89.3148

■ 53.9743, 60.0631,
92.7539

■ 29.6171, 32.2090,
88.6613

■ 61.8859, 67.8488,
93.8397

■ 27.2768, 28.5614,
88.0806

■ 70.9460, 76.4517,
95.0227

■ 25.9532, 26.2628,
87.7067

■ 81.2036, 85.9007,
96.3059

■ 91.1401, 95.4167,
97.6190

■ 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.



36.5811, 46.8151, 78.3613



41.3799, 46.8151, 90.8597



47.4685, 46.8151, 91.1803

Triad

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



41.3799, 46.8151, 90.8597



56.9231, 46.8151, 43.0900



36.7638, 46.8151, 30.4270

Complementary

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



41.3799, 46.8151, 90.8597



53.2930, 47.3666, 22.2552

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.



41.6510, 46.8151, 24.7611



41.3799, 46.8151, 90.8597



53.4782, 46.8151, 30.8509

Square

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



41.3799, 46.8151, 90.8597



56.8335, 46.8151, 60.6733



47.7655, 46.8151, 24.8959



34.0877, 46.8151, 42.3672

Rectangle

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



41.3799, 46.8151, 90.8597



51.4714, 46.8151, 84.2586



47.7655, 46.8151, 24.8959



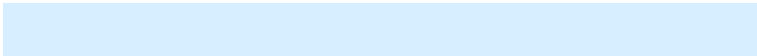
38.1818, 46.8151, 27.8615

Sweetspot

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



41.3815, 46.8168, 90.8608



76.5384, 82.9430, 106.5833



45.5028, 69.8068, 46.7706



15.9269, 17.3218, 22.7540



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.



41.3815, 46.8168, 90.8608



41.0583, 46.3306, 101.3864



30.5317, 25.1173, 87.2442



15.6776, 16.7893, 20.1360



14.0798, 14.3838, 47.1621



1.2687, 1.3915, 3.9559

Inverse Universe

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



51.9309, 34.6313, 52.6642



54.5393, 33.0339, 52.0654



67.7311, 76.2428, 27.0679



16.1667, 15.9164, 18.4340



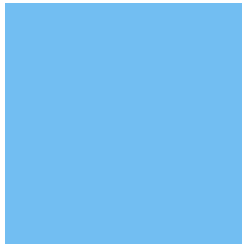
22.4324, 11.2454, 15.4596



1.9153, 0.9552, 1.5451

Previews

White Background



This preview shows how the XYZ color 41.3799, 46.8151, 90.8597 looks on a white background.

Color Contrast Check

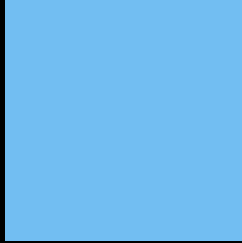
Large Text (above 18pt) WCAG AA × Fail

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 41.3799, 46.8151, 90.8597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

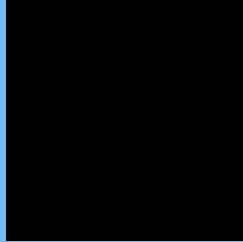
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3799, 46.8151, 90.8597

Background



This preview shows how black text looks on a background with the XYZ color 41.3799, 46.8151, 90.8597.

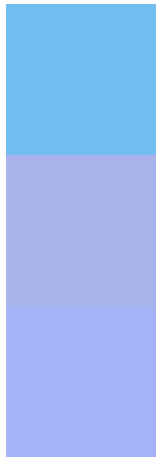


This preview shows how white text looks on a background with the XYZ color 41.3799, 46.8151,

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

41.3799, 46.8151, 90.8597

Protanopia

46.9077, 46.3962, 84.3250

Deuteranopia

47.7058, 46.6193, 92.8703



Tritanopia

36.8665, 46.6169, 68.6829

Trichromacy



Original Color

41.3799, 46.8151, 90.8597

Protanomaly

44.4323, 46.2773, 86.7113

Deuteranomaly

44.9397, 46.4184, 92.1790

Tritanomaly

38.3182, 46.5397, 76.0707

Monochromacy



Original Color

41.3799, 46.8151, 90.8597

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.2620, 42.9928, 59.6552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3799, 46.8151, 90.8597 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(114, 190, 242)` looks like.

```
.text, #text, p{  
    color:rgb(114, 190, 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(114, 190, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 190, 242) }
```

Border

The CSS property to change the border of an element to XYZ 41.3799, 46.8151, 90.8597 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(114, 190, 242) }
```


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

```
.border{ border-color:rgb(114, 190, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 190, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 190, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 190, 242);  
box-shadow:4px 4px 4px 4px rgb(114, 190,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3799, 46.8151, 90.8597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 190, 242) }
```

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

```
.background{ background-color: rgb(114,  
190, 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