

Converting Colors

XYZ(36.8480, 40.0538, 82.8799)

Have a look what the booklet for
XYZ(36.8480, 40.0538, 82.8799)
contains.

XYZ(36.8480, 40.0538, 82.8799)	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(36.8480, 40.0538,
82.8799)**

Conversions

Conversions Part 1

Format	Color
Hex	71AFE9
RGB	113, 175, 233
RGB Percent	44%, 69%, 91%
CMY	0.5568, 0.3137, 0.0863
CMYK	0.51, 0.25, 0.00, 0.09
HSL	209°, 73%, 68%
HSV	209°, 51%, 91%
XYZ	36.8480, 40.0538, 82.8799
YIQ	163.0740, -55.5700, 4.8940

Conversions

Conversions Part 2

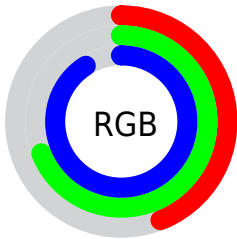
Format	Color
R _Y B	113, 154, 233
Decimal	7450601
CIE Lab	69.51, -3.99, -35.18
CIE LCh	70, 35.409, 263.536
Yxy	40.0538, 0.2306, 0.2507
Android (android.graphics.Color)	4285640681 (0xFF71AFE9)
YUV	163.0740, 34.4735, -43.9149
Hunter-Lab	63.2881, -6.8267, -33.3425

Details

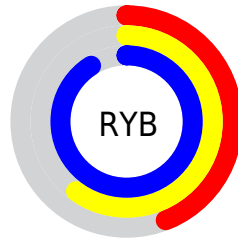
The XYZ color **36.8480, 40.0538, 82.8799** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.1493, 47.6437, 22.1248**, and the grayscale version is **34.7101, 36.5178, 39.7678**.

A 20% lighter version of the original color is **63.1414, 72.4716, 105.2682**, and **16.4349, 18.0703, 44.2167** is the 20% darker color. If you saturate the color by 10%, you get **32.1251, 34.5003, 82.0577**, and if you desaturate by 10%, it is **42.5259, 46.3725, 83.8010**.

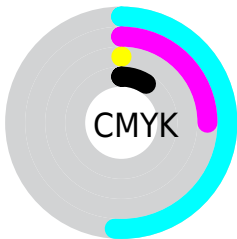
Distribution



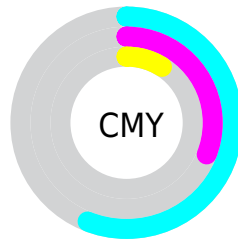
- Red (44%)
- Green (69%)
- Blue (91%)



- Red (44%)
- Yellow (60%)
- Blue (91%)



- Cyan (51%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (56%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8480, 40.0538, 82.8799 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 36.8480, 40.0538, 82.8799 by changing the saturation by 10% instead.

■ 36.8480, 40.0538,
82.8799

■ 36.8480, 40.0538,
82.8799

324.0189,
346.3503, 524.5467

■ 25.2630, 27.5805,
61.5510

■ 69.6543, 75.2454,
139.2550

■ 16.4029, 18.0097,
44.2366

■ 91.6063, 98.7325,
175.1383

■ 9.9023, 10.9569,
30.5180

■ 117.7446,
126.6597, 216.7101

■ 5.3960, 6.0379,
19.9767

148.4346,
159.4113, 264.3891

■ 2.5186, 2.8681,
12.1942

184.0417,
197.3718, 318.5937

■ 0.9046, 1.0633,
6.7519

224.9312,

■ 0.0000, 0.0000,

240.9255, 379.7424

3.2314

271.4685,
290.4569, 448.2539

■ 0.0000, 0.0000,
1.2140

■ 0.0000, 0.0000,
0.0000

■ 36.8480, 40.0538,
82.8799

■ 36.8480, 40.0538,
82.8799

■ 32.1251, 34.5003,
82.0577

■ 42.5259, 46.3725,
83.8010

■ 28.2884, 29.6678,
81.3271

■ 49.2126, 53.4882,
84.8221

■ 25.2657, 25.5129,
80.6844

■ 56.9628, 61.4361,
85.9477

■ 22.9693, 21.9832,
80.1242

■ 65.8253, 70.2473,
87.1813

■ 21.4707, 19.4083,
79.7062

■ 75.8463, 79.9513,
88.5262

■ 87.0689, 90.5759,
89.9855

■ 91.3378, 97.9226,
91.1785

■ 91.7081, 98.6633,
91.3020

Harmonies

Analogous

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



31.9142, 40.0538, 74.0793



36.8480, 40.0538, 82.8799



42.6216, 40.0538, 79.2306

Triad

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



36.8480, 40.0538, 82.8799



49.0414, 40.0538, 32.2286



29.9100, 40.0538, 27.4751

Complementary

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



36.8480, 40.0538, 82.8799



51.1493, 47.6437, 22.1248

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.



33.8544, 40.0538, 20.6804



36.8480, 40.0538, 82.8799



44.9703, 40.0538, 22.9071

Square

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



36.8480, 40.0538, 82.8799



50.0462, 40.0538, 47.2460



39.3186, 40.0538, 19.2468



28.1751, 40.0538, 40.1689

Rectangle

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



36.8480, 40.0538, 82.8799



46.1389, 40.0538, 70.5886



39.3186, 40.0538, 19.2468



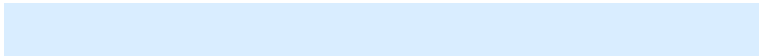
31.0013, 40.0538, 24.5677

Sweetspot

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



36.8494, 40.0553, 82.8809



76.7342, 82.2197, 106.4334



43.3010, 64.7299, 48.7417



15.9289, 17.1064, 22.7123



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.



36.8494, 40.0553, 82.8809



39.0059, 41.8295, 100.6258



27.6503, 21.6571, 79.8145



14.8749, 15.8363, 19.1950



12.3077, 11.2623, 45.2681



1.0627, 1.0769, 3.5867

Inverse Universe

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



47.2485, 32.2306, 44.2896



53.6001, 33.0288, 45.9777



65.1618, 75.6687, 26.7956



15.3904, 15.1840, 17.3412



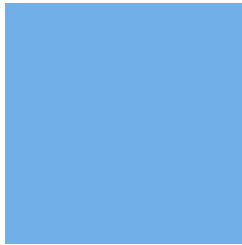
21.0676, 10.6297, 11.4234



1.7029, 0.8541, 1.1529

Previews

White Background



This preview shows how the XYZ color 36.8480, 40.0538, 82.8799 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 36.8480, 40.0538, 82.8799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

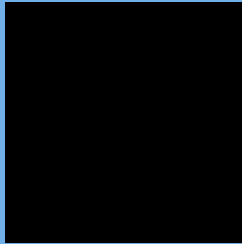
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8480, 40.0538, 82.8799

Background



This preview shows how black text looks on a background with the XYZ color 36.8480, 40.0538, 82.8799.

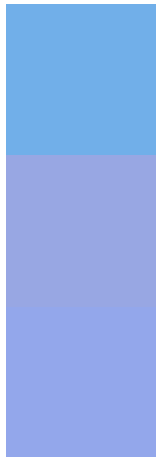


This preview shows how white text looks on a background with the XYZ color 36.8480, 40.0538,

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

36.8480, 40.0538, 82.8799

Protanopia

40.6327, 39.8589, 78.2250

Deuteranopia

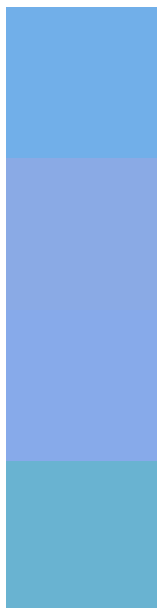
40.8467, 39.8386, 84.1340



Tritanopia

32.0586, 40.2081, 58.2958

Trichromacy



Original Color

36.8480, 40.0538, 82.8799

Protanomaly

38.9988, 39.8099, 79.7574

Deuteranomaly

39.2177, 39.8409, 83.4650

Tritanomaly

33.4544, 39.8469, 66.2496

Monochromacy



Original Color

36.8480, 40.0538, 82.8799

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.5729, 37.2880, 52.9521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8480, 40.0538, 82.8799 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, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(113, 175, 233)  
}
```

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, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 175, 233) }
```

Border

The CSS property to change the border of an element to XYZ 36.8480, 40.0538, 82.8799 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, 175, 233) }
```


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

```
.border{ border-color:rgb(113, 175, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 175, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 175, 233);  
box-shadow:4px 4px 4px 4px rgb(113, 175,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8480, 40.0538, 82.8799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 175, 233) }
```

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

```
.background{ background-color: rgb(113,  
175, 233) }
```

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