

Converting Colors

XYZ(40.0355, 48.5468, 82.5994)

Have a look what the booklet for
XYZ(40.0355, 48.5468, 82.5994)
contains.

XYZ(40.0990, 48.6451, 82.8773)	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(40.0990, 48.6451,
82.8773)**

Conversions

Conversions Part 1

Format	Color
Hex	68C5E7
RGB	104, 197, 231
RGB Percent	41%, 77%, 91%
CMY	0.5921, 0.2274, 0.0941
CMYK	0.55, 0.15, 0.00, 0.09
HSL	196°, 73%, 66%
HSV	196°, 55%, 91%
XYZ	40.0990, 48.6451, 82.8773
YIQ	173.0690, -66.3420, -9.1420

Conversions

Conversions Part 2

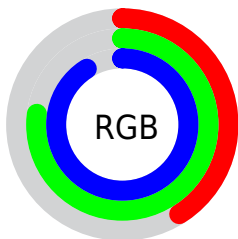
Format	Color
RYB	104, 158, 231
Decimal	6866407
CIELab	75.23, -18.23, -25.32
CIELCh	75, 31.196, 234.243
Yxy	48.6451, 0.2336, 0.2834
Android (android.graphics.Color)	4285056487 (0xFF68C5E7)
YUV	173.0690, 28.5600, -60.5735
Hunter-Lab	69.7460, -19.4308, -21.6304

Details

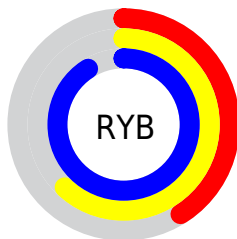
The XYZ color **40.0990, 48.6451, 82.8773** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.5435, 36.1670, 17.7316**, and the grayscale version is **39.6404, 41.7048, 45.4165**.

A 20% lighter version of the original color is **68.5961, 85.8902, 107.5708**, and **18.2535, 23.0974, 44.0536** is the 20% darker color. If you saturate the color by 10%, you get **36.4006, 44.6974, 82.3111**, and if you desaturate by 10%, it is **44.5924, 53.0902, 83.4994**.

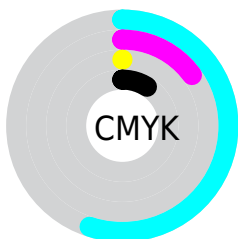
Distribution



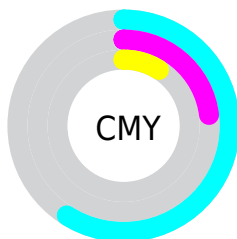
- Red (41%)
- Green (77%)
- Blue (91%)



- Red (41%)
- Yellow (62%)
- Blue (91%)



- Cyan (55%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (59%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0990, 48.6451, 82.8773 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 40.0990, 48.6451, 82.8773 by changing the saturation by 10% instead.

■ 40.0990, 48.6451,
82.8773

■ 40.0990, 48.6451,
82.8773

337.6679,
381.3435, 524.5378

■ 27.8003, 34.3380,
61.5489

■ 74.5976, 88.1641,
139.2513

■ 18.3149, 23.1534,
44.2349

■ 97.5283, 114.1449,
175.1340

■ 11.2773, 14.7068,
30.5167

■ 124.7336,
144.7856, 216.7052

■ 6.3224, 8.6139,
19.9757

156.5789,
180.4708, 264.3834

■ 3.0846, 4.4902,
12.1935

193.4297,
221.5848, 318.5873

■ 1.1986, 1.9514,
6.7514

235.6512,

■ 0.1053, 0.5790,

268.5120, 379.7353

3.2311

283.6088,
321.6367, 448.2459

■ 0.0000, 0.0000,
1.2138

■ 0.0000, 0.0000,
0.0000

■ 40.0990, 48.6451,
82.8773

■ 40.0990, 48.6451,
82.8773

■ 36.4006, 44.6974,
82.3111

■ 44.5924, 53.0902,
83.4994

■ 33.4303, 41.2086,
81.7943

■ 49.9314, 58.0567,
84.1766

■ 31.1173, 38.1421,
81.3243

■ 56.1676, 63.5732,
84.9127

■ 29.3734, 35.4514,
80.8969

■ 63.3471, 69.6644,
85.7100

■ 28.6416, 34.2048,
80.6948

■ 71.5127, 76.3534,
86.5708

■ 80.7043, 83.6617,
87.4970

■ 86.9102, 89.5221,
88.3010

■ 88.7649, 93.2315,
88.9193

■ 90.6823, 97.0662,
89.5584

Harmonies

Analogous

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



36.9104, 48.6451, 66.9887



40.0990, 48.6451, 82.8773



45.1406, 48.6451, 90.9164

Triad

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



40.0990, 48.6451, 82.8773



58.0711, 48.6451, 56.1908



41.8630, 48.6451, 29.1141

Complementary

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



40.0990, 48.6451, 82.8773



44.5435, 36.1670, 17.7316

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.



47.3483, 48.6451, 27.3910



40.0990, 48.6451, 82.8773



57.0126, 48.6451, 41.0513

Square

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



40.0990, 48.6451, 82.8773



55.7527, 48.6451, 73.5986



52.9686, 48.6451, 31.2873



37.8685, 48.6451, 36.6025

Rectangle

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



40.0990, 48.6451, 82.8773



48.9962, 48.6451, 89.7604



52.9686, 48.6451, 31.2873



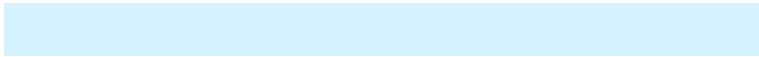
43.5809, 48.6451, 27.9161

Sweetspot

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



40.1006, 48.6469, 82.8785



78.2139, 86.2942, 107.1419



38.8641, 61.9272, 33.9009



16.3277, 18.1235, 22.8876



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.



40.1006, 48.6469, 82.8785



44.9853, 55.2973, 102.9102



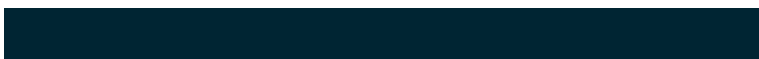
28.6088, 25.6635, 79.0479



14.4640, 15.6493, 18.4026



16.1640, 19.3901, 45.2739



1.2699, 1.5838, 3.3707

Inverse Universe

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



47.9847, 30.9224, 56.2647



56.2498, 32.6783, 64.2790



56.4272, 59.9343, 21.6928



14.8218, 14.5459, 17.2618



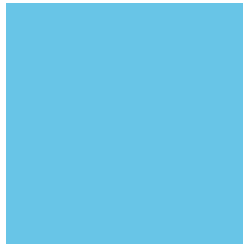
22.5524, 11.1552, 22.3355



1.7046, 0.8396, 1.8511

Previews

White Background



This preview shows how the XYZ color 40.0990, 48.6451, 82.8773 looks on a white background.

Color Contrast Check

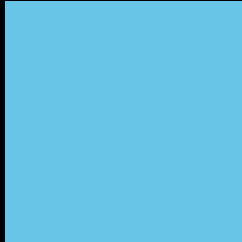
Large Text (above 18pt) WCAG AA × Fail

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 40.0990, 48.6451, 82.8773 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 40.0990, 48.6451, 82.8773

Background



This preview shows how black text looks on a background with the XYZ color 40.0990, 48.6451, 82.8773.



This preview shows how white text looks on a background with the XYZ color 40.0990, 48.6451,

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

40.0990, 48.6451, 82.8773

Protanopia

47.8891, 48.3175, 75.2088

Deuteranopia

49.4238, 48.2760, 85.3106



Tritanopia

38.0859, 48.8631, 72.3899

Trichromacy



Original Color

40.0990, 48.6451, 82.8773

Protanomaly

44.1515, 47.8867, 78.1502

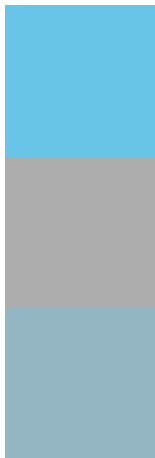
Deuteranomaly

45.1993, 47.9652, 84.7179

Tritanomaly

38.7301, 48.7766, 75.7802

Monochromacy



Original Color

40.0990, 48.6451, 82.8773

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.6783, 43.6468, 57.4251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0990, 48.6451, 82.8773 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(104, 197, 231)` looks like.

```
.text, #text, p{  
    color:rgb(104, 197, 231)  
}
```

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(104, 197, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 197, 231) }
```

Border

The CSS property to change the border of an element to XYZ 40.0990, 48.6451, 82.8773 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(104, 197, 231) }
```


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

```
.border{ border-color:rgb(104, 197, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 197, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 197, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 197, 231);  
box-shadow:4px 4px 4px 4px rgb(104, 197,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0990, 48.6451, 82.8773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 197, 231) }
```

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

```
.background{ background-color: rgb(104,  
197, 231) }
```

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