

Converting Colors

XYZ(41.0403, 50.1480, 84.4127)

Have a look what the booklet for
XYZ(41.0403, 50.1480, 84.4127)
contains.

XYZ(41.0712, 50.1348, 84.6031)	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(41.0712, 50.1348,
84.6031)**

Conversions

Conversions Part 1

Format	Color
Hex	68C8E9
RGB	104, 200, 233
RGB Percent	41%, 78%, 91%
CMY	0.5921, 0.2157, 0.0863
CMYK	0.55, 0.14, 0.00, 0.09
HSL	195°, 75%, 66%
HSV	195°, 55%, 91%
XYZ	41.0712, 50.1348, 84.6031
YIQ	175.0580, -67.8090, -10.0890

Conversions

Conversions Part 2

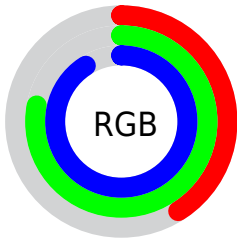
Format	Color
RYB	104, 159, 233
Decimal	6867177
CIELab	76.15, -19.20, -24.99
CIELCh	76, 31.508, 232.464
Yxy	50.1348, 0.2336, 0.2852
Android (android.graphics.Color)	4285057257 (0xFF68C8E9)
YUV	175.0580, 28.5654, -62.3179
Hunter-Lab	70.8059, -20.3709, -21.2790

Details

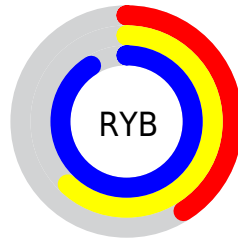
The XYZ color **41.0712, 50.1348, 84.6031** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.0500, 36.2161, 17.7145**, and the grayscale version is **40.6611, 42.7787, 46.5860**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **18.8744, 24.0722, 45.2466** is the 20% darker color. If you saturate the color by 10%, you get **37.3777, 46.2222, 84.0435**, and if you desaturate by 10%, it is **45.5688, 54.5439, 85.2180**.

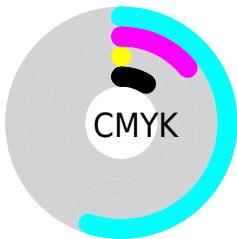
Distribution



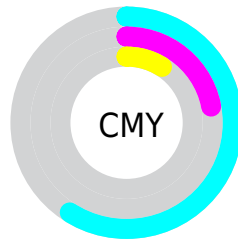
- Red (41%)
- Green (78%)
- Blue (91%)



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



- Cyan (55%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (59%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0712, 50.1348, 84.6031 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 41.0712, 50.1348, 84.6031 by changing the saturation by 10% instead.

41.0712, 50.1348,
84.6031

41.0712, 50.1348,
84.6031

341.6756,
387.1929, 530.4241

28.5626, 35.5205,
62.9652

76.0660, 90.3746,
141.6877

18.8928, 24.0641,
45.3723

99.2829, 116.7688,
177.9716

11.6964, 15.3812,
31.4057

126.8000,
147.8586, 219.9745

6.6080, 9.0873,
20.6469

158.9827,
184.0282, 268.1151

3.2623, 4.7982,
12.6774

196.1962,
225.6620, 322.8117

1.2940, 2.1293,
7.0787

238.8060,

0.1787, 0.6811,

273.1444, 384.4831

3.4322

287.1773,
326.8599, 453.5477

■ 0.0000, 0.0000,
1.3193

■ 0.0000, 0.0000,
0.0775

■ 41.0712, 50.1348,
84.6031

■ 41.0712, 50.1348,
84.6031

■ 37.3777, 46.2222,
84.0435

■ 45.5688, 54.5439,
85.2180

■ 34.4195, 42.7667,
83.5324

■ 50.9223, 59.4739,
85.8875

■ 32.1242, 39.7309,
83.0674

■ 57.1844, 64.9541,
86.6152

■ 30.4006, 37.0671,
82.6441

■ 64.4023, 71.0094,
87.4036

■ 29.7280, 35.9229,
82.4587

■ 72.6197, 77.6634,
88.2548

■ 81.8775, 84.9379,
89.1710

■ 87.6188, 90.4845,
89.9390

■ 89.4192, 94.0854,
90.5391

■ 91.2780, 97.8029,
91.1587

Harmonies

Analogous

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



37.9217, 50.1348, 67.9615



41.0712, 50.1348, 84.6031



46.1798, 50.1348, 93.5287

Triad

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



41.0712, 50.1348, 84.6031



59.8007, 50.1348, 58.9594



43.4487, 50.1348, 29.7402

Complementary

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



41.0712, 50.1348, 84.6031



45.0500, 36.2161, 17.7145

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.



49.1544, 50.1348, 28.3072



41.0712, 50.1348, 84.6031



58.9180, 50.1348, 43.0956

Square

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



41.0712, 50.1348, 84.6031



57.2212, 50.1348, 76.8620



54.8999, 50.1348, 32.6729



39.2133, 50.1348, 37.0960

Rectangle

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



41.0712, 50.1348, 84.6031



50.1411, 50.1348, 92.8362



54.8999, 50.1348, 32.6729



45.2459, 50.1348, 28.6213

Sweetspot

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



41.0728, 50.1367, 84.6043



77.4244, 85.8127, 107.0905



39.3110, 63.0068, 33.4774



16.1775, 18.0393, 22.8792



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.



41.0728, 50.1367, 84.6043



45.4828, 56.2923, 103.0761



29.2580, 26.5070, 80.6660



15.1726, 16.4316, 19.2942



16.9727, 20.5925, 46.8232



1.4091, 1.7697, 3.7022

Inverse Universe

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



48.9813, 31.3961, 58.1239



56.5009, 32.7787, 65.6013



56.9327, 59.9815, 21.6754



15.5407, 15.2441, 18.1324



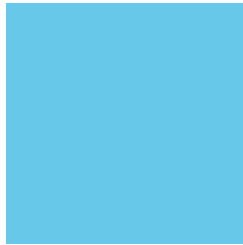
23.4223, 11.5716, 23.8232



1.8778, 0.9241, 2.0736

Previews

White Background



This preview shows how the XYZ color 41.0712, 50.1348, 84.6031 looks on a white background.

Color Contrast Check

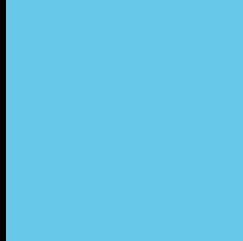
Large Text (above 18pt) WCAG AA × Fail

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 41.0712, 50.1348, 84.6031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

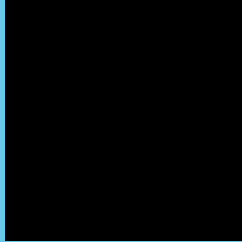
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.0712, 50.1348, 84.6031

Background



This preview shows how black text looks on a background with the XYZ color 41.0712, 50.1348, 84.6031.



This preview shows how white text looks on a background with the XYZ color 41.0712, 50.1348,

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

41.0712, 50.1348, 84.6031

Protanopia

49.2587, 49.6093, 76.7914

Deuteranopia

50.8100, 49.5651, 87.0098



Tritanopia

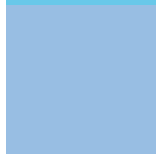
39.0523, 50.0082, 74.6121

Trichromacy



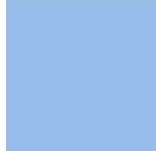
Original Color

41.0712, 50.1348, 84.6031



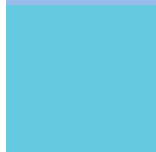
Protanomaly

45.2275, 49.0484, 79.7566



Deuteranomaly

46.2868, 49.1267, 86.3997



Tritanomaly

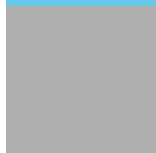
39.7080, 49.9218, 78.0640

Monochromacy



Original Color

41.0712, 50.1348, 84.6031



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

39.4987, 44.6561, 58.7622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0712, 50.1348, 84.6031 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, 200, 233)` looks like.

```
.text, #text, p{  
    color:rgb(104, 200, 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(104, 200, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 200, 233) }
```

Border

The CSS property to change the border of an element to XYZ 41.0712, 50.1348, 84.6031 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, 200, 233) }
```


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

```
.border{ border-color:rgb(104, 200, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 200, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 200, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 200, 233);  
box-shadow:4px 4px 4px 4px rgb(104, 200,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0712, 50.1348, 84.6031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 200, 233) }
```

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

```
.background{ background-color: rgb(104,  
200, 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