

Converting Colors

XYZ(33.8739, 41.0197, 66.0291)

Have a look what the booklet for
XYZ(33.8739, 41.0197, 66.0291)
contains.

XYZ(33.8220, 40.9530, 65.7966)	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(33.8220, 40.9530,
65.7966)**

Conversions

Conversions Part 1

Format	Color
Hex	68B6D0
RGB	104, 182, 208
RGB Percent	41%, 71%, 82%
CMY	0.5921, 0.2863, 0.1843
CMYK	0.50, 0.12, 0.00, 0.18
HSL	195°, 53%, 61%
HSV	195°, 50%, 82%
XYZ	33.8220, 40.9530, 65.7966
YIQ	161.6420, -54.8340, -8.4500

Conversions

Conversions Part 2

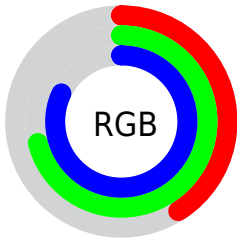
Format	Color
RYB	104, 149, 208
Decimal	6862544
CIELab	70.14, -16.99, -20.56
CIELCh	70, 26.676, 230.437
Yxy	40.9530, 0.2406, 0.2913
Android (android.graphics.Color)	4285052624 (0xFF68B6D0)
YUV	161.6420, 22.8545, -50.5520
Hunter-Lab	63.9945, -17.6507, -16.1634

Details

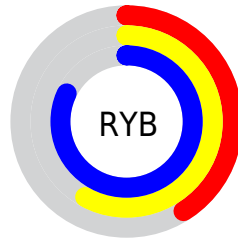
The XYZ color **33.8220, 40.9530, 65.7966** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.4947, 30.3756, 17.0375**, and the grayscale version is **34.0914, 35.8668, 39.0590**.

A 20% lighter version of the original color is **63.3225, 75.9461, 105.9294**, and **14.6793, 18.5472, 33.3781** is the 20% darker color. If you saturate the color by 10%, you get **30.6539, 37.7690, 65.3497**, and if you desaturate by 10%, it is **37.6276, 44.5262, 66.2865**.

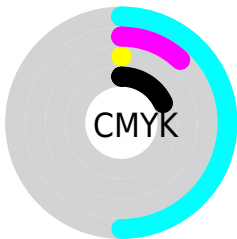
Distribution



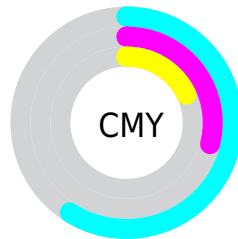
- Red (41%)
- Green (71%)
- Blue (82%)



- Red (41%)
- Yellow (58%)
- Blue (82%)



- Cyan (50%)
- Magenta (12%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8220, 40.9530, 65.7966 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 33.8220, 40.9530, 65.7966 by changing the saturation by 10% instead.

■ 33.8220, 40.9530,
65.7966

■ 33.8220, 40.9530,
65.7966

■ 310.9375,
350.1241, 464.0334

■ 22.9191, 28.2824,
47.6519

■ 65.0029, 76.6125,
114.8186

■ 14.6542, 18.5386,
33.1932

■ 86.0116, 100.3702,
146.5329

■ 8.6618, 11.3374,
22.0022

■ 111.1197,
128.5924, 183.6075

■ 4.5766, 6.2942,
13.6602

■ 140.6925,
161.6634, 226.4609

■ 2.0332, 3.0248,
7.7487

■ 175.0953,
199.9677, 275.5116

■ 0.6525, 1.1447,
3.8491

■ 214.6935,

■ 0.0000, 0.0158,

243.8897, 331.1783

1.5429

259.8525,
293.8137, 393.8794

■ 0.0000, 0.0000,
0.2496

■ 0.0000, 0.0000,
0.0000

■ 33.8220, 40.9530,
65.7966

■ 33.8220, 40.9530,
65.7966

■ 30.6539, 37.7690,
65.3497

■ 37.6276, 44.5262,
66.2865

■ 28.0745, 34.9456,
64.9407

■ 42.1074, 48.5053,
66.8184

■ 26.0337, 32.4574,
64.5680

■ 47.2995, 52.9116,
67.3952

■ 24.4709, 30.2724,
64.2286

■ 53.2383, 57.7633,
68.0187

■ 23.2745, 28.3323,
63.9172

■ 59.9556, 63.0775,
68.6904

■ 23.2742, 28.3320,
63.9172

■ 67.4814, 68.8703,
69.4119

■ 75.8441, 75.1567,
70.1845

■ 79.1740, 78.9115,
70.7338

■ 80.5897, 81.7429,
71.2057

Harmonies

Analogous

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



31.5807, 40.9530, 53.5176



33.8220, 40.9530, 65.7966



37.5475, 40.9530, 72.7274

Triad

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



33.8220, 40.9530, 65.7966



47.7973, 40.9530, 48.7026



36.0681, 40.9530, 25.6533

Complementary

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



33.8220, 40.9530, 65.7966



36.4947, 30.3756, 17.0375

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.



40.3350, 40.9530, 24.8467



33.8220, 40.9530, 65.7966



47.3270, 40.9530, 36.7164

Square

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



33.8220, 40.9530, 65.7966



45.7570, 40.9530, 61.7112



44.5162, 40.9530, 28.5145



32.8086, 40.9530, 30.9717

Rectangle

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



33.8220, 40.9530, 65.7966



40.4643, 40.9530, 72.6392



44.5162, 40.9530, 28.5145



37.4245, 40.9530, 24.8899

Sweetspot

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



33.8233, 40.9545, 65.7976



79.3760, 87.5035, 107.3140



32.1797, 49.6213, 28.3973



16.5669, 18.3823, 22.9249



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.



33.8233, 40.9545, 65.7976



48.2783, 59.5424, 103.5560



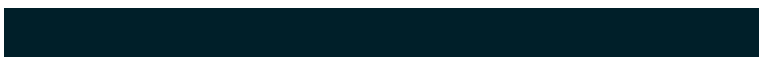
25.3104, 23.9287, 62.9599



11.8977, 12.8856, 15.1038



14.5857, 17.8181, 39.8630



0.8764, 1.1179, 2.2492

Inverse Universe

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



39.4073, 26.6891, 47.3321



58.4834, 35.7596, 69.2961



44.8872, 47.1607, 19.8350



12.1793, 11.9564, 14.2197



19.9929, 9.8700, 20.6668



1.1486, 0.5641, 1.3172

Previews

White Background



This preview shows how the XYZ color 33.8220, 40.9530, 65.7966 looks on a white background.

Color Contrast Check

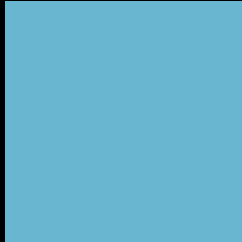
Large Text (above 18pt) WCAG AA × Fail

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 33.8220, 40.9530, 65.7966 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

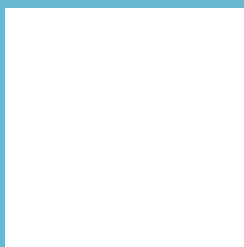
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8220, 40.9530, 65.7966

Background



This preview shows how black text looks on a background with the XYZ color 33.8220, 40.9530, 65.7966.



This preview shows how white text looks on a background with the XYZ color 33.8220, 40.9530,

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

33.8220, 40.9530, 65.7966

Protanopia

40.0138, 40.4988, 59.7409

Deuteranopia

41.3025, 40.4476, 67.2583



Tritanopia

32.7004, 41.1249, 59.6405

Trichromacy



Original Color

33.8220, 40.9530, 65.7966

Protanomaly

37.1244, 40.3760, 61.7138

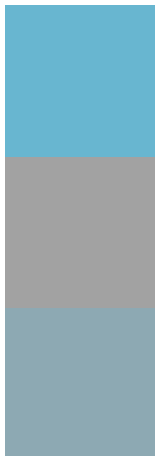
Deuteranomaly

37.7131, 39.9978, 66.7054

Tritanomaly

33.0736, 40.9560, 62.0393

Monochromacy



Original Color

33.8220, 40.9530, 65.7966

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.3092, 37.2933, 48.0906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8220, 40.9530, 65.7966 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, 182, 208)` looks like.

```
.text, #text, p{  
    color:rgb(104, 182, 208)  
}
```

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, 182, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 182, 208) }
```

Border

The CSS property to change the border of an element to XYZ 33.8220, 40.9530, 65.7966 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, 182, 208) }
```


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

```
.border{ border-color:rgb(104, 182, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 182, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 182, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 182, 208);  
box-shadow:4px 4px 4px 4px rgb(104, 182,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8220, 40.9530, 65.7966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 182, 208) }
```

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

```
.background{ background-color: rgb(104,  
182, 208) }
```

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