

Converting Colors

XYZ(33.5052, 48.8643, 40.8794)

Have a look what the booklet for
XYZ(33.5052, 48.8643, 40.8794)
contains.

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Color

**XYZ(33.5433, 48.9674,
40.9414)**

Conversions

Conversions Part 1

Format	Color
Hex	65CDA0
RGB	101, 205, 160
RGB Percent	40%, 80%, 63%
CMY	0.6039, 0.1961, 0.3725
CMYK	0.51, 0.00, 0.22, 0.20
HSL	154°, 51%, 60%
HSV	154°, 51%, 80%
XYZ	33.5433, 48.9674, 40.9414
YIQ	168.7740, -47.5390, -36.0430

Conversions

Conversions Part 2

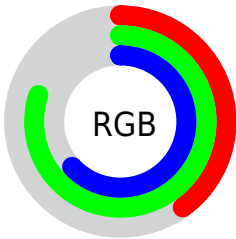
Format	Color
RYB	101, 167, 205
Decimal	6671776
CIELab	75.43, -40.76, 13.29
CIELCh	75, 42.870, 161.947
Yxy	48.9674, 0.2717, 0.3967
Android (android.graphics.Color)	4284861856 (0xFF65CDA0)
YUV	168.7740, -4.3256, -59.4378
Hunter-Lab	69.9767, -36.8954, 14.2948

Details

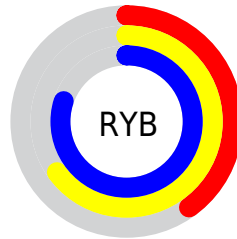
The XYZ color **33.5433, 48.9674, 40.9414** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.0204, 24.3630, 30.0527**, and the grayscale version is **37.6390, 39.5992, 43.1235**.

A 20% lighter version of the original color is **62.1263, 83.6954, 77.1704**, and **14.4882, 23.3465, 17.9301** is the 20% darker color. If you saturate the color by 10%, you get **30.7796, 47.6304, 36.9053**, and if you desaturate by 10%, it is **36.9375, 50.6256, 45.2982**.

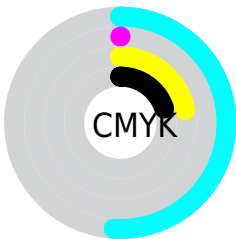
Distribution



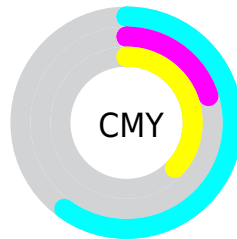
- Red (40%)
- Green (80%)
- Blue (63%)



- Red (40%)
- Yellow (65%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5433, 48.9674, 40.9414 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 33.5433, 48.9674, 40.9414 by changing the saturation by 10% instead.

■ 33.5433, 48.9674,
40.9414

■ 33.5433, 48.9674,
40.9414

309.7127,
382.6140, 365.7450

■ 22.7042, 34.5936,
27.9539

■ 64.5718, 88.6430,
77.8476

■ 14.4947, 23.3500,
18.0522

■ 85.4920, 114.7137,
102.6035

■ 8.5496, 14.8522,
10.8176

■ 110.5032,
145.4521, 132.1192

■ 4.5033, 8.7157,
5.8317

■ 139.9709,
181.2426, 166.8134

■ 1.9906, 4.5562,
2.6759

174.2603,
222.4696, 207.1045

■ 0.6287, 1.9893,
0.9313

213.7368,

■ 0.0000, 0.6012,

269.5176, 253.4111

0.0000

258.7658,
322.7709, 306.1518

■ 0.0000, 0.0000,
0.0000

■ 33.5433, 48.9674,
40.9414

■ 33.5433, 48.9674,
40.9414

■ 30.7796, 47.6304,
36.9053

■ 36.9375, 50.6256,
45.2982

■ 28.5979, 46.5859,
33.1785

■ 40.9982, 52.6195,
49.9801

■ 26.9486, 45.8098,
29.7536

■ 45.7633, 54.9700,
54.9954

■ 25.7718, 45.2713,
26.6213

■ 51.2668, 57.6943,
60.3514

■ 25.0019, 44.9323,
23.9688

■ 57.5401, 60.8085,
66.0547

■ 64.6131, 64.3280,
72.1121

■ 72.5137, 68.2671,
78.5299

■ 77.4913, 70.6921,
85.1375

■ 78.7762, 71.2060,
91.9038

Harmonies

Analogous

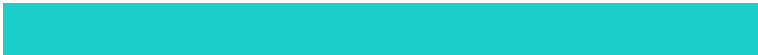
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.1097, 48.9674, 27.0672



33.5433, 48.9674, 40.9414



33.2079, 48.9674, 62.8384

Triad

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



33.5433, 48.9674, 40.9414



49.7576, 48.9674, 108.2003



58.7772, 48.9674, 29.2060

Complementary

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



33.5433, 48.9674, 40.9414



35.0204, 24.3630, 30.0527

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.



63.0390, 48.9674, 44.8098



33.5433, 48.9674, 40.9414



57.4509, 48.9674, 92.6547

Square

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



33.5433, 48.9674, 40.9414



41.9921, 48.9674, 106.2896



62.5279, 48.9674, 67.9650



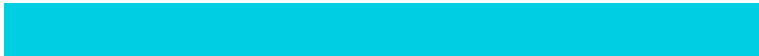
51.4093, 48.9674, 21.7316

Rectangle

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



33.5433, 48.9674, 40.9414



34.8071, 48.9674, 79.8050



62.5279, 48.9674, 67.9650



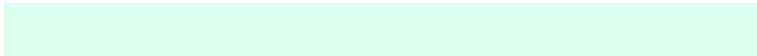
60.6562, 48.9674, 33.4535

Sweetspot

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



33.5446, 48.9694, 40.9425



79.7997, 92.4329, 94.8706



36.0477, 50.7214, 20.2029



16.6716, 19.5821, 19.9067



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.



33.5446, 48.9694, 40.9425



49.9989, 77.8157, 59.7880



36.5972, 47.5951, 65.0178



11.3302, 12.6418, 13.2961



15.6125, 27.9903, 15.1763



0.8431, 1.4590, 0.9811

Inverse Universe

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



35.0204, 24.3630, 30.0527



52.6972, 33.0502, 40.0437



32.8828, 24.6309, 15.3337



11.4105, 11.2929, 12.6963



16.8341, 8.5442, 6.8453



0.9063, 0.4559, 0.5523

Previews

White Background



This preview shows how the XYZ color 33.5433, 48.9674, 40.9414 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 33.5433, 48.9674, 40.9414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

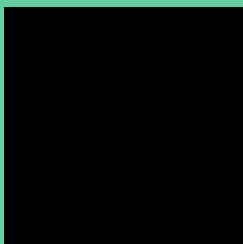
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

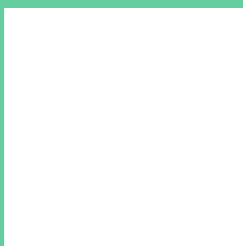
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5433, 48.9674, 40.9414

Background



This preview shows how black text looks on a background with the XYZ color 33.5433, 48.9674, 40.9414.

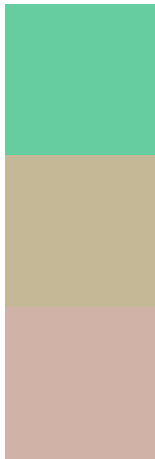


This preview shows how white text looks on a background with the XYZ color 33.5433, 48.9674,

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

33.5433, 48.9674, 40.9414

Protanopia

45.4105, 48.2188, 35.7679

Deuteranopia

49.0978, 48.1493, 42.7824



Tritanopia

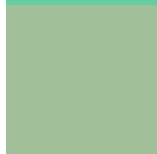
39.5341, 48.9562, 70.9842

Trichromacy



Original Color

33.5433, 48.9674, 40.9414



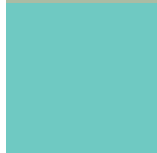
Protanomaly

39.3803, 47.6094, 37.6858



Deuteranomaly

41.2616, 47.1928, 42.0564



Tritanomaly

37.1798, 49.0478, 58.5465

Monochromacy



Original Color

33.5433, 48.9674, 40.9414



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.1125, 42.1384, 42.3593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5433, 48.9674, 40.9414 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(101, 205, 160)` looks like.

```
.text, #text, p{  
    color:rgb(101, 205, 160)  
}
```

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(101, 205, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 205, 160) }
```

Border

The CSS property to change the border of an element to XYZ 33.5433, 48.9674, 40.9414 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(101, 205, 160) }
```


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

```
.border{ border-color:rgb(101, 205, 160) }
```

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

Here you see how a box with a 4 pixel rgb(101, 205, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 205, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 205, 160);  
box-shadow:4px 4px 4px 4px rgb(101, 205,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5433, 48.9674, 40.9414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 205, 160) }
```

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

```
.background{ background-color: rgb(101,  
205, 160) }
```

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](#).

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