

Converting Colors

XYZ(33.5648, 48.3166, 43.0235)

Have a look what the booklet for
XYZ(33.5648, 48.3166, 43.0235)
contains.

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Color

**XYZ(33.5143, 48.1952,
43.1335)**

Conversions

Conversions Part 1

Format	Color
Hex	65CBA5
RGB	101, 203, 165
RGB Percent	40%, 80%, 65%
CMY	0.6039, 0.2039, 0.3529
CMYK	0.50, 0.00, 0.19, 0.20
HSL	158°, 50%, 60%
HSV	158°, 50%, 80%
XYZ	33.5143, 48.1952, 43.1335
YIQ	168.1700, -48.5940, -33.4420

Conversions

Conversions Part 2

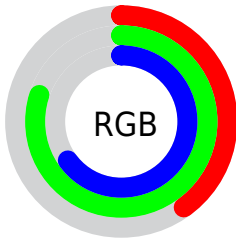
Format	Color
RYB	101, 164, 203
Decimal	6671269
CIELab	74.95, -38.78, 9.92
CIELCh	75, 40.028, 165.650
Yxy	48.1952, 0.2685, 0.3860
Android (android.graphics.Color)	4284861349 (0xFF65CBA5)
YUV	168.1700, -1.5628, -58.9081
Hunter-Lab	69.4228, -35.3178, 11.7581

Details

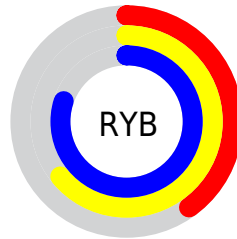
The XYZ color **33.5143, 48.1952, 43.1335** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.9441, 23.8692, 27.2461**, and the grayscale version is **37.3286, 39.2726, 42.7678**.

A 20% lighter version of the original color is **62.7788, 83.9564, 80.6066**, and **14.4456, 22.8232, 19.2667** is the 20% darker color. If you saturate the color by 10%, you get **30.8480, 46.8991, 39.5215**, and if you desaturate by 10%, it is **36.7853, 49.8008, 46.9885**.

Distribution



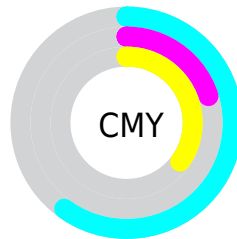
- Red (40%)
- Green (80%)
- Blue (65%)



- Red (40%)
- Yellow (64%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5143, 48.1952, 43.1335 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 33.5143, 48.1952, 43.1335 by changing the saturation by 10% instead.

■ 33.5143, 48.1952,
43.1335

■ 33.5143, 48.1952,
43.1335

309.5850,
379.5653, 375.0978

■ 22.6818, 33.9815,
29.6577

■ 64.5270, 87.4950,
81.2008

■ 14.4782, 22.8794,
19.3291

■ 85.4379, 113.3498,
106.6294

■ 8.5379, 14.5045,
11.7291

■ 110.4390,
143.8538, 136.8793

■ 4.4957, 8.4724,
6.4392

■ 139.8957,
179.3914, 172.3691

■ 1.9862, 4.3987,
3.0409

174.1733,
220.3470, 213.5173

■ 0.6262, 1.8990,
1.1155

213.6371,

■ 0.0000, 0.5478,

267.1049, 260.7425

0.0000

258.6526,
320.0495, 314.4631

■ 0.0000, 0.0000,
0.0000

■ 33.5143, 48.1952,
43.1335

■ 33.5143, 48.1952,
43.1335

■ 30.8480, 46.8991,
39.5215

■ 36.7853, 49.8008,
46.9885

■ 28.7396, 45.8848,
36.1434

■ 40.6955, 51.7299,
51.0884

■ 27.1418, 45.1291,
32.9944

■ 45.2814, 54.0025,
55.4396

■ 25.9968, 44.6024,
30.0680

■ 50.5756, 56.6352,
60.0468

■ 25.2118, 44.2556,
27.4192

■ 56.6085, 59.6438,
64.9149

■ 63.4086, 63.0428,
70.0484

■ 71.0029, 66.8461,
75.4517

■ 76.2568, 69.4376,
80.9813

■ 77.3149, 69.8608,
86.5533

Harmonies

Analogous

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



36.4888, 48.1952, 29.0992



33.5143, 48.1952, 43.1335



33.5813, 48.1952, 64.0811

Triad

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



33.5143, 48.1952, 43.1335



49.6987, 48.1952, 101.4641



56.3337, 48.1952, 28.6659

Complementary

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



33.5143, 48.1952, 43.1335



33.9441, 23.8692, 27.2461

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.



60.6919, 48.1952, 42.3647



33.5143, 48.1952, 43.1335



56.5927, 48.1952, 85.8790

Square

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



33.5143, 48.1952, 43.1335



42.4177, 48.1952, 101.8311



60.7914, 48.1952, 63.0794



49.3745, 48.1952, 22.3781

Rectangle

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



33.5143, 48.1952, 43.1335



35.3258, 48.1952, 79.5563



60.7914, 48.1952, 63.0794



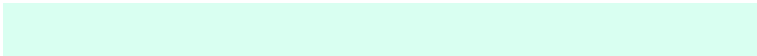
58.1825, 48.1952, 32.3660

Sweetspot

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



33.5156, 48.1971, 43.1346



80.1408, 92.5693, 96.6667



34.5385, 49.2377, 19.9961



16.7538, 19.6150, 20.3400



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.



33.5156, 48.1971, 43.1346



51.4322, 78.4219, 65.8507



34.8005, 44.3856, 63.2353



11.3591, 12.6534, 13.4485



16.0894, 28.1810, 17.6875



0.8660, 1.4682, 1.1019

Inverse Universe

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



33.9441, 23.8692, 27.2461



52.2496, 33.2660, 36.4692



32.8730, 25.4253, 15.4876



11.3823, 11.2816, 12.5477



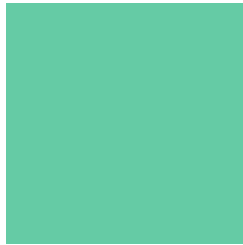
16.5363, 8.4251, 5.2766



0.8896, 0.4492, 0.4643

Previews

White Background



This preview shows how the XYZ color 33.5143, 48.1952, 43.1335 looks on a white background.

Color Contrast Check

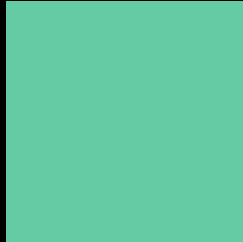
Large Text (above 18pt) WCAG AA × Fail

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 33.5143, 48.1952, 43.1335 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

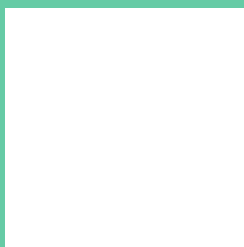
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5143, 48.1952, 43.1335

Background



This preview shows how black text looks on a background with the XYZ color 33.5143, 48.1952, 43.1335.



This preview shows how white text looks on a background with the XYZ color 33.5143, 48.1952,

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

33.5143, 48.1952, 43.1335

Protanopia

44.8422, 47.5710, 37.8290

Deuteranopia

48.5264, 47.5064, 45.1401



Tritanopia

38.6938, 47.8782, 69.4894

Trichromacy



Original Color

33.5143, 48.1952, 43.1335



Protanomaly

39.1687, 46.8037, 39.7705



Deuteranomaly

40.8688, 46.3072, 44.3203



Tritanomaly

36.7042, 48.1020, 58.9799

Monochromacy



Original Color

33.5143, 48.1952, 43.1335



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.0005, 41.7671, 42.7763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5143, 48.1952, 43.1335 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, 203, 165)` looks like.

```
.text, #text, p{  
    color:rgb(101, 203, 165)  
}
```

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, 203, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 203, 165) }
```

Border

The CSS property to change the border of an element to XYZ 33.5143, 48.1952, 43.1335 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, 203, 165) }
```


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

```
.border{ border-color:rgb(101, 203, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 203, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 203, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 203, 165);  
box-shadow:4px 4px 4px 4px rgb(101, 203,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5143, 48.1952, 43.1335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 203, 165) }
```

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

```
.background{ background-color: rgb(101,  
203, 165) }
```

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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