

Converting Colors

XYZ(33.5165, 48.3295, 58.0689)

Have a look what the booklet for
XYZ(33.5165, 48.3295, 58.0689)
contains.

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Color

**XYZ(33.4653, 48.1942,
57.9907)**

Conversions

Conversions Part 1

Format	Color
Hex	42CCC1
RGB	66, 204, 193
RGB Percent	26%, 80%, 76%
CMY	0.7411, 0.2000, 0.2431
CMYK	0.68, 0.00, 0.05, 0.20
HSL	175°, 58%, 53%
HSV	175°, 68%, 80%
XYZ	33.4653, 48.1942, 57.9907
YIQ	161.4840, -78.7170, -32.6770

Conversions

Conversions Part 2

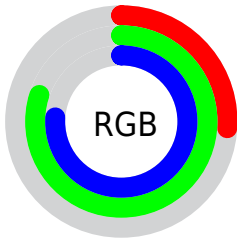
Format	Color
RYB	66, 138, 204
Decimal	4377793
CIELab	74.95, -38.95, -5.31
CIElCh	75, 39.309, 187.766
Yxy	48.1942, 0.2396, 0.3451
Android (android.graphics.Color)	4282567873 (0xFF42CCC1)
YUV	161.4840, 15.5374, -83.7395
Hunter-Lab	69.4220, -35.4416, -0.9316

Details

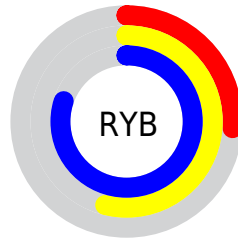
The XYZ color **33.4653, 48.1942, 57.9907** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.1913, 17.2711, 8.8708**, and the grayscale version is **34.0593, 35.8331, 39.0222**.

A 20% lighter version of the original color is **62.2190, 83.1848, 102.3995**, and **15.4811, 23.3883, 28.5094** is the 20% darker color. If you saturate the color by 10%, you get **32.1480, 47.5371, 56.9881**, and if you desaturate by 10%, it is **35.2774, 49.1084, 59.0290**.

Distribution



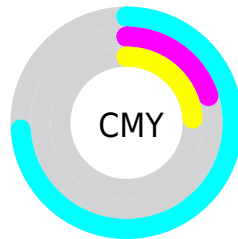
- Red (26%)
- Green (80%)
- Blue (76%)



- Red (26%)
- Yellow (54%)
- Blue (80%)



- Cyan (68%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)



- Cyan (74%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4653, 48.1942, 57.9907 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 33.4653, 48.1942, 57.9907 by changing the saturation by 10% instead.

■ 33.4653, 48.1942,
57.9907

■ 33.4653, 48.1942,
57.9907

309.3693,
379.5614, 434.7486

■ 22.6441, 33.9807,
41.3865

■ 64.4511, 87.4935,
103.4240

■ 14.4502, 22.8788,
28.2993

■ 85.3464, 113.3480,
133.0901

■ 8.5182, 14.5040,
18.3104

■ 110.3305,
143.8518, 167.9474

■ 4.4829, 8.4720,
11.0013

■ 139.7686,
179.3890, 208.4142

■ 1.9788, 4.3985,
5.9535

174.0262,
220.3442, 254.9092

■ 0.6220, 1.8989,
2.7485

213.4686,

■ 0.0000, 0.5477,

267.1017, 307.8509

0.9677

258.4612,
320.0460, 367.6579

■ 0.0000, 0.0000,
0.0000

■ 33.4653, 48.1942,
57.9907

■ 33.4653, 48.1942,
57.9907

■ 32.1480, 47.5371,
56.9881

■ 35.2774, 49.1084,
59.0290

■ 31.2664, 47.1032,
56.0152

■ 37.6268, 50.2983,
60.1018

■ 30.7441, 46.8543,
55.0695

■ 40.5564, 51.7870,
61.2123

■ 30.6426, 46.8068,
54.8492

■ 44.1036, 53.5938,
62.3622

■ 48.3024, 55.7364,
63.5531

■ 53.1847, 58.2311,
64.7866

■ 58.7799, 61.0930,
66.0641

■ 65.1161, 64.3367,
67.3869

■ 72.2194, 67.9757,
68.7562

Harmonies

Analogous

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



34.1992, 48.1942, 38.9140



33.4653, 48.1942, 57.9907



35.7546, 48.1942, 80.5454

Triad

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



33.4653, 48.1942, 57.9907



54.7753, 48.1942, 90.2635



51.2216, 48.1942, 23.7662

Complementary

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



33.4653, 48.1942, 57.9907



28.1913, 17.2711, 8.8708

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.



57.5867, 48.1942, 31.8266



33.4653, 48.1942, 57.9907



59.7829, 48.1942, 68.8695

Square

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



33.4653, 48.1942, 57.9907



47.6945, 48.1942, 102.0944



60.8620, 48.1942, 47.3212



43.9702, 48.1942, 22.2812

Rectangle

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



33.4653, 48.1942, 57.9907



38.8434, 48.1942, 93.4363



60.8620, 48.1942, 47.3212



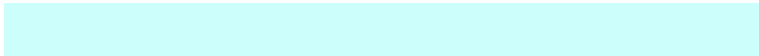
53.5571, 48.1942, 25.6716

Sweetspot

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



33.4667, 48.1960, 57.9918



78.0640, 91.3182, 104.7241



25.6789, 45.1796, 12.5226



16.2788, 19.3263, 22.2947



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.



33.4667, 48.1960, 57.9918



52.5113, 78.3638, 93.6581



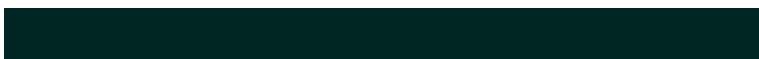
23.5037, 26.2322, 60.9532



11.5032, 12.7110, 14.2072



19.3023, 29.4662, 34.6065



1.0075, 1.5248, 1.8470

Inverse Universe

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



28.1913, 17.2711, 8.8708



43.2672, 23.7916, 7.3002



33.0322, 27.5230, 8.7270



11.2480, 11.2279, 11.8407



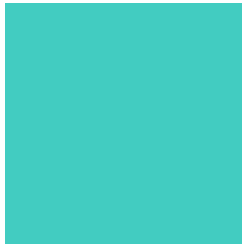
15.7476, 8.1096, 1.1234



0.8253, 0.4235, 0.1258

Previews

White Background



This preview shows how the XYZ color 33.4653, 48.1942, 57.9907 looks on a white background.

Color Contrast Check

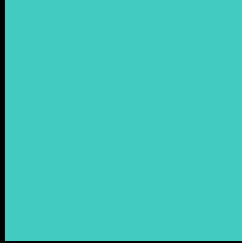
Large Text (above 18pt) WCAG AA × Fail

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 33.4653, 48.1942, 57.9907 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

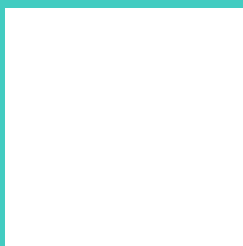
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4653, 48.1942, 57.9907

Background



This preview shows how black text looks on a background with the XYZ color 33.4653, 48.1942, 57.9907.

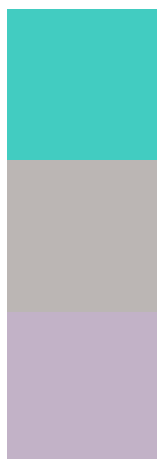


This preview shows how white text looks on a background with the XYZ color 33.4653, 48.1942,

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
33.4653, 48.1942, 57.9907
Protanopia
45.4597, 47.3160, 49.9169
Deuteranopia
48.4773, 47.4336, 60.6334



Tritanopia

36.3205, 47.9380, 72.9843

Trichromacy



Original Color

33.4653, 48.1942, 57.9907



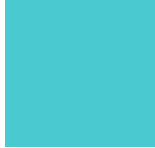
Protanomaly

38.4981, 46.1693, 52.7814



Deuteranomaly

39.8810, 45.7749, 59.5568



Tritanomaly

35.0959, 47.7832, 67.0478

Monochromacy



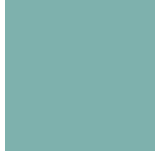
Original Color

33.4653, 48.1942, 57.9907



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.8692, 38.8970, 45.3634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4653, 48.1942, 57.9907 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(66, 204, 193)` looks like.

```
.text, #text, p{  
    color:rgb(66, 204, 193)  
}
```

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(66, 204, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 204, 193) }
```

Border

The CSS property to change the border of an element to XYZ 33.4653, 48.1942, 57.9907 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(66, 204, 193) }
```


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

```
.border{ border-color:rgb(66, 204, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 204, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 204, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 204, 193);  
box-shadow:4px 4px 4px 4px rgb(66, 204,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4653, 48.1942, 57.9907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 204, 193) }
```

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

```
.background{ background-color: rgb(66, 204,  
193) }
```

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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