

Converting Colors

XYZ(33.5969, 48.2925, 56.6895)

Have a look what the booklet for
XYZ(33.5969, 48.2925, 56.6895)
contains.

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Color

**XYZ(33.5954, 48.2869,
56.8399)**

Conversions

Conversions Part 1

Format	Color
Hex	47CCBF
RGB	71, 204, 191
RGB Percent	28%, 80%, 75%
CMY	0.7215, 0.2000, 0.2510
CMYK	0.65, 0.00, 0.06, 0.20
HSL	174°, 57%, 54%
HSV	174°, 65%, 80%
XYZ	33.5954, 48.2869, 56.8399
YIQ	162.7510, -75.0950, -32.2390

Conversions

Conversions Part 2

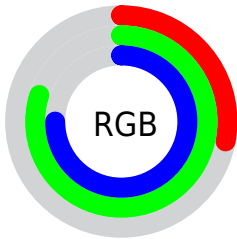
Format	Color
RYB	71, 141, 204
Decimal	4705471
CIELab	75.01, -38.74, -4.13
CIELCh	75, 38.962, 186.087
Yxy	48.2869, 0.2422, 0.3481
Android (android.graphics.Color)	4282895551 (0xFF47CCBF)
YUV	162.7510, 13.9268, -80.4656
Hunter-Lab	69.4888, -35.3068, 0.1446

Details

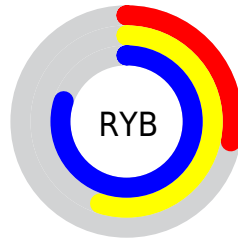
The XYZ color **33.5954, 48.2869, 56.8399** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **28.7570, 17.9854, 10.3452**, and the grayscale version is **34.6587, 36.4637, 39.7089**.

A 20% lighter version of the original color is **62.5402, 83.3863, 100.7946**, and **15.3349, 23.3299, 27.7396** is the 20% darker color. If you saturate the color by 10%, you get **32.1252, 47.5553, 55.6342**, and if you desaturate by 10%, it is **35.5735, 49.2822, 58.0872**.

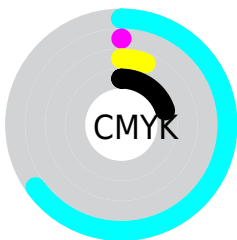
Distribution



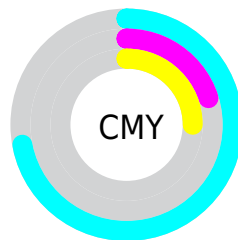
- Red (28%)
- Green (80%)
- Blue (75%)



- Red (28%)
- Yellow (55%)
- Blue (80%)



- Cyan (65%)
- Magenta (0%)
- Yellow (6%)
- Black (20%)





- Cyan (72%)
- Magenta (20%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5954, 48.2869, 56.8399 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 33.5954, 48.2869, 56.8399 by changing the saturation by 10% instead.


 33.5954, 48.2869,
56.8399


 33.5954, 48.2869,
56.8399


309.9419,
379.9282, 430.3260


 22.7444, 34.0541,
40.4682

 64.6525, 87.6314,
101.7296


 14.5245, 22.9352,
27.5872


 85.5892, 113.5120,
131.0846

 8.5705, 14.5457,
17.7784


 110.6186,
144.0439, 165.6045

 4.5170, 8.5012,
10.6232

 140.1059,
179.6116, 205.7079

 1.9986, 4.4173,
5.7031

174.4165,
220.5995, 251.8131

 0.6332, 1.9096,
2.5996

213.9158,

 0.0000, 0.5541,

267.3920, 304.3389

0.8922

258.9692,
320.3734, 363.7037

■ 0.0000, 0.0000,
0.0000

■ 33.5954, 48.2869,
56.8399

■ 33.5954, 48.2869,
56.8399

■ 32.1252, 47.5553,
55.6342

■ 35.5735, 49.2822,
58.0872

■ 31.1061, 47.0548,
54.4640

■ 38.1005, 50.5591,
59.3747

■ 30.4753, 46.7541,
53.3275

■ 41.2182, 52.1401,
60.7056

■ 30.2516, 46.6504,
52.7904

■ 44.9630, 54.0440,
62.0817

■ 49.3686, 56.2882,
63.5045

■ 54.4660, 58.8888,
64.9756

■ 60.2844, 61.8606,
66.4964

■ 66.8513, 65.2180,
68.0683

■ 74.1927, 68.9743,
69.6924

Harmonies

Analogous

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



34.4941, 48.2869, 38.2446



33.5954, 48.2869, 56.8399



35.7069, 48.2869, 79.1848

Triad

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



33.5954, 48.2869, 56.8399



54.4310, 48.2869, 91.0039



51.6649, 48.2869, 24.2843

Complementary

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



33.5954, 48.2869, 56.8399



28.7570, 17.9854, 10.3452

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.



57.8578, 48.2869, 32.7162



33.5954, 48.2869, 56.8399



59.5668, 48.2869, 70.1038

Square

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



33.5954, 48.2869, 56.8399



47.3608, 48.2869, 101.9298



60.8813, 48.2869, 48.5313



44.4602, 48.2869, 22.4553

Rectangle

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



33.5954, 48.2869, 56.8399



38.6801, 48.2869, 92.2385



60.8813, 48.2869, 48.5313



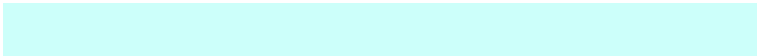
53.9561, 48.2869, 26.3105

Sweetspot

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



33.5968, 48.2888, 56.8410



77.9194, 91.2604, 103.9624



26.4148, 45.5413, 13.3606



16.2436, 19.3123, 22.1094



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.



33.5968, 48.2888, 56.8410



52.4723, 78.3940, 91.3848



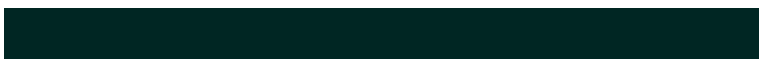
24.5337, 27.7701, 61.1958



11.4942, 12.7074, 14.1596



19.0594, 29.3691, 33.3273



0.9973, 1.5207, 1.7933

Inverse Universe

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



28.7570, 17.9854, 10.3452



43.9477, 24.6135, 9.1893



33.2737, 27.7597, 9.5669



11.2561, 11.2312, 11.8835



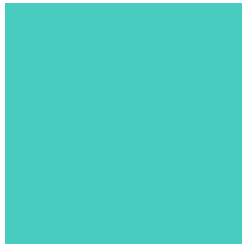
15.7686, 8.1180, 1.2341



0.8291, 0.4250, 0.1457

Previews

White Background



This preview shows how the XYZ color 33.5954, 48.2869, 56.8399 looks on a white background.

Color Contrast Check

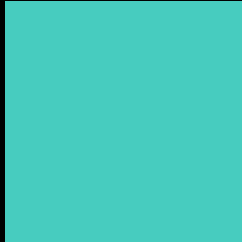
Large Text (above 18pt) WCAG AA × Fail

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 33.5954, 48.2869, 56.8399 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

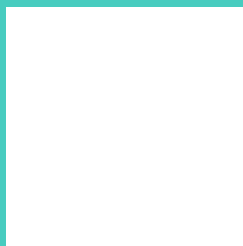
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5954, 48.2869, 56.8399

Background



This preview shows how black text looks on a background with the XYZ color 33.5954, 48.2869, 56.8399.

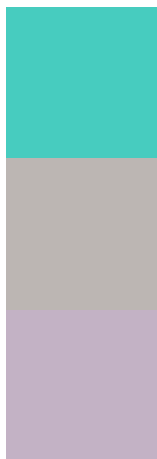


This preview shows how white text looks on a background with the XYZ color 33.5954, 48.2869,

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

33.5954, 48.2869, 56.8399

Protanopia

45.6037, 47.4019, 49.3937

Deuteranopia

48.5041, 47.4741, 59.4303



Tritanopia

36.6162, 48.1054, 72.3211

Trichromacy



Original Color

33.5954, 48.2869, 56.8399



Protanomaly

38.6378, 46.2656, 51.6935



Deuteranomaly

40.1983, 45.9648, 58.3832



Tritanomaly

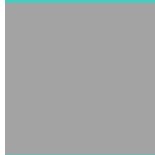
35.3736, 47.9405, 66.4206

Monochromacy



Original Color

33.5954, 48.2869, 56.8399



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.6691, 39.6037, 45.4576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5954, 48.2869, 56.8399 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(71, 204, 191)` looks like.

```
.text, #text, p{  
    color:rgb(71, 204, 191)  
}
```

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(71, 204, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 204, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.5954, 48.2869, 56.8399 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(71, 204, 191) }
```


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

```
.border{ border-color:rgb(71, 204, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 204, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 204, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 204, 191);  
box-shadow:4px 4px 4px 4px rgb(71, 204,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5954, 48.2869, 56.8399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 204, 191) }
```

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

```
.background{ background-color: rgb(71, 204,  
191) }
```

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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