

Converting Colors

XYZ(34.0413, 43.3898, 51.4158)

Have a look what the booklet for
XYZ(34.0413, 43.3898, 51.4158)
contains.

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Color

**XYZ(34.0017, 43.2369,
51.3532)**

Conversions

Conversions Part 1

Format	Color
Hex	76BCB7
RGB	118, 188, 183
RGB Percent	46%, 74%, 72%
CMY	0.5372, 0.2627, 0.2823
CMYK	0.37, 0.00, 0.03, 0.26
HSL	176°, 34%, 60%
HSV	176°, 37%, 74%
XYZ	34.0017, 43.2369, 51.3532
YIQ	166.5000, -40.1150, -16.3950

Conversions

Conversions Part 2

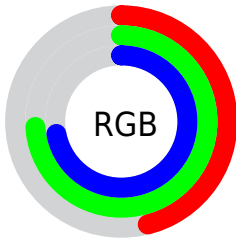
Format	Color
R _Y B	118, 154, 188
Decimal	7781559
CIE Lab	71.72, -23.14, -4.45
CIE LCh	72, 23.565, 190.876
Yxy	43.2369, 0.2644, 0.3362
Android (android.graphics.Color)	4285971639 (0xFF76BCB7)
YUV	166.5000, 8.1345, -42.5345
Hunter-Lab	65.7548, -22.7688, -0.2760

Details

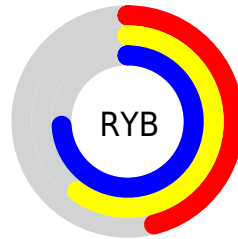
The XYZ color **34.0017, 43.2369, 51.3532** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.7942, 25.0796, 21.9584**, and the grayscale version is **36.4644, 38.3633, 41.7777**.

A 20% lighter version of the original color is **65.1643, 79.8176, 93.6332**, and **14.6687, 19.7519, 24.1585** is the 20% darker color. If you saturate the color by 10%, you get **31.5599, 41.9953, 50.5133**, and if you desaturate by 10%, it is **36.9562, 44.7448, 52.2259**.

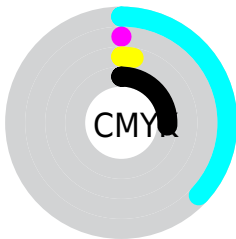
Distribution



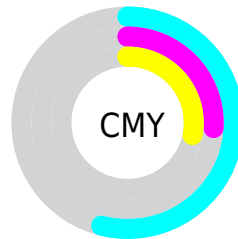
- Red (46%)
- Green (74%)
- Blue (72%)



- Red (46%)
- Yellow (60%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)



- Cyan (54%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0017, 43.2369, 51.3532 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 34.0017, 43.2369, 51.3532 by changing the saturation by 10% instead.

■ 34.0017, 43.2369,
51.3532

■ 34.0017, 43.2369,
51.3532

311.7254,
359.5851, 408.8202

■ 23.0578, 30.0710,
36.1111

■ 65.2806, 80.0682,
93.5935

■ 14.7571, 19.8925,
24.2296

■ 86.3463, 104.5025,
121.4288

■ 8.7343, 12.3169,
15.2903

■ 111.5166,
133.4617, 154.2988

■ 4.6240, 6.9599,
8.8745

141.1570,
167.3301, 192.6222

■ 2.0609, 3.4370,
4.5637

175.6327,
206.4923, 236.8175

■ 0.6678, 1.3639,
1.9394

215.3091,

■ 0.0000, 0.1899,

251.3326, 287.3033

0.5176

260.5515,
302.2354, 344.4980

■ 0.0000, 0.0000,
0.0000

■ 34.0017, 43.2369,
51.3532

■ 34.0017, 43.2369,
51.3532

■ 31.5599, 41.9953,
50.5133

■ 36.9562, 44.7448,
52.2259

■ 29.5966, 40.9991,
49.7018

■ 40.4475, 46.5283,
53.1298

■ 28.0794, 40.2327,
48.9182

■ 44.5027, 48.6023,
54.0671

■ 26.9704, 39.6766,
48.1605

■ 49.1460, 50.9793,
55.0389

■ 26.2253, 39.3080,
47.4268

■ 54.4002, 53.6711,
56.0464

■ 25.7811, 39.0943,
46.7140

■ 60.2869, 56.6887,
57.0905

■ 25.6795, 39.0461,
46.5190

■ 66.8265, 60.0429,
58.1723

■ 68.9334, 61.1117,
59.0537

■ 69.0847, 61.1722,
59.8507

Harmonies

Analogous

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



34.2544, 43.2369, 40.2296



34.0017, 43.2369, 51.3532



35.5547, 43.2369, 62.9979

Triad

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



34.0017, 43.2369, 51.3532



46.3320, 43.2369, 65.7552



43.6646, 43.2369, 29.1961

Complementary

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



34.0017, 43.2369, 51.3532



30.7942, 25.0796, 21.9584

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.



47.1837, 43.2369, 34.0945



34.0017, 43.2369, 51.3532



48.7914, 43.2369, 54.6617

Square

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



34.0017, 43.2369, 51.3532



42.5624, 43.2369, 72.1649



49.1128, 43.2369, 43.0462



39.6625, 43.2369, 28.6044

Rectangle

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



34.0017, 43.2369, 51.3532



37.4678, 43.2369, 69.0377



49.1128, 43.2369, 43.0462



44.9499, 43.2369, 30.3512

Sweetspot

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



34.0030, 43.2386, 51.3542



77.6260, 86.5331, 97.3069



29.5427, 41.5489, 23.6032



16.4781, 18.4986, 20.8759



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.0030, 43.2386, 51.3542



57.8013, 76.4152, 91.7689



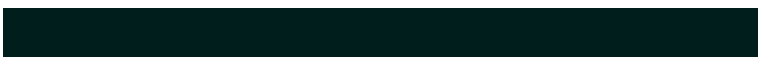
28.9192, 32.2229, 52.2743



9.7784, 10.7975, 12.0823



17.4949, 26.5882, 31.7325



0.6942, 1.0450, 1.2898

Inverse Universe

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



30.7942, 25.0796, 21.9584



51.1213, 38.5726, 30.5440



34.4702, 32.9202, 21.6780



9.5571, 9.5471, 10.0566



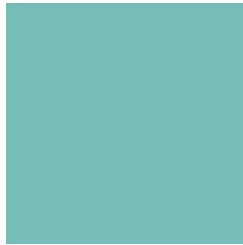
14.1824, 7.3041, 0.9881



0.5651, 0.2899, 0.0890

Previews

White Background



This preview shows how the XYZ color 34.0017, 43.2369, 51.3532 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 34.0017, 43.2369, 51.3532 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

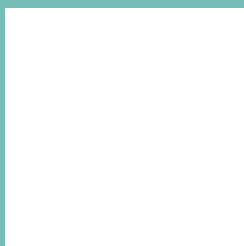
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0017, 43.2369, 51.3532

Background



This preview shows how black text looks on a background with the XYZ color 34.0017, 43.2369, 51.3532.



This preview shows how white text looks on a background with the XYZ color 34.0017, 43.2369,

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

34.0017, 43.2369, 51.3532

Protanopia

41.2340, 42.8322, 46.6516

Deuteranopia

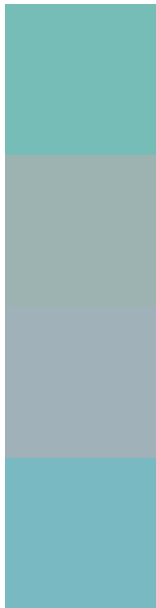
43.5941, 42.7764, 52.9727



Tritanopia

35.8003, 43.0056, 61.0576

Trichromacy



Original Color

34.0017, 43.2369, 51.3532

Protanomaly

37.8663, 42.5225, 48.3314

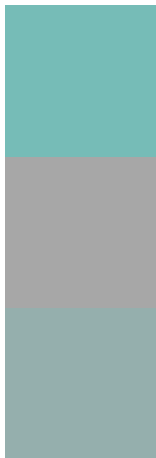
Deuteranomaly

39.2830, 42.5665, 52.6001

Tritanomaly

35.1817, 43.0778, 57.4995

Monochromacy



Original Color

34.0017, 43.2369, 51.3532

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.2672, 40.0666, 45.4100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0017, 43.2369, 51.3532 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(118, 188, 183)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 183)  
}
```

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(118, 188, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 183) }
```

Border

The CSS property to change the border of an element to XYZ 34.0017, 43.2369, 51.3532 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(118, 188, 183) }
```


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

```
.border{ border-color:rgb(118, 188, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 188, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 183);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0017, 43.2369, 51.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 183) }
```

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

```
.background{ background-color: rgb(118,  
188, 183) }
```

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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