

Converting Colors

XYZ(34.6468, 42.1864, 51.4446)

Have a look what the booklet for
XYZ(34.6468, 42.1864, 51.4446)
contains.

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Color

**XYZ(34.8455, 42.4088,
51.6966)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 81B8B8 |
| RGB | 129, 184, 184 |
| RGB Percent | 51%, 72%, 72% |
| CMY | 0.4941, 0.2784, 0.2784 |
| CMYK | 0.30, 0.00, 0.00, 0.28 |
| HSL | 180°, 28%, 61% |
| HSV | 180°, 30%, 72% |
| XYZ | 34.8455, 42.4088, 51.6966 |
| YIQ | 167.5550, -32.7800, -11.6600 |

Conversions

Conversions Part 2

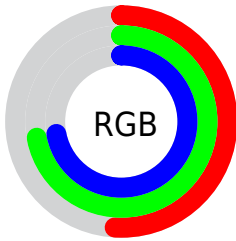
| Format | Color |
|-------------------------------------|--|
| RYB | 129, 157, 184 |
| Decimal | 8501432 |
| CIELab | 71.15, -17.80, -5.76 |
| CIELCh | 71, 18.710, 197.943 |
| Yxy | 42.4088, 0.2702, 0.3289 |
| Android (android.graphics.Color) | 4286691512 (0xFF81B8B8) |
| YUV | 167.5550, 8.1074, -33.8127 |
| Hunter-Lab | 65.1220, -18.4518, -1.4815 |

Details

The XYZ color **34.8455, 42.4088, 51.6966** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.5814, 27.4771, 24.4096**, and the grayscale version is **36.9755, 38.9011, 42.3633**.

A 20% lighter version of the original color is **66.6554, 78.8018, 94.1352**, and **15.2736, 19.4491, 24.4218** is the 20% darker color. If you saturate the color by 10%, you get **32.2986, 41.0969, 51.5779**, and if you desaturate by 10%, it is **37.8982, 43.9836, 51.8408**.

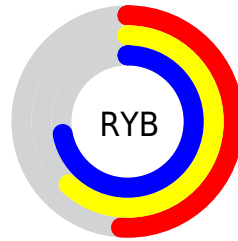
Distribution



Red (51%)

Green (72%)

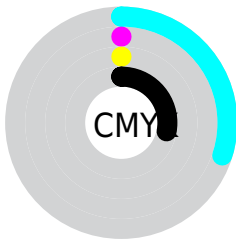
Blue (72%)



Red (51%)

Yellow (62%)

Blue (72%)

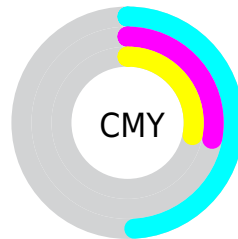


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (28%)



Cyan (49%)


Magenta (28%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8455, 42.4088, 51.6966 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 34.8455, 42.4088, 51.6966 by changing the saturation by 10% instead.


 34.8455, 42.4088,
51.6966


 34.8455, 42.4088,
51.6966


315.4058,
356.1748, 410.1878


 23.7098, 29.4215,
36.3827


 66.5820, 78.8180,
94.1057

 15.2421, 19.3999,
24.4379


 87.9135, 103.0086,
122.0379

 9.0769, 11.9596,
15.4436


 113.3743,
131.7025, 155.0134

 4.8489, 6.7162,
8.9812

143.3298,
165.2841, 193.4506

 2.1927, 3.2852,
4.6323

178.1454,
204.1377, 237.7681

 0.7389, 1.2824,
1.9782

218.1863,

 0.0000, 0.1275,

248.6478, 288.3844

0.5418

263.8180,
299.1987, 345.7181

■ 0.0000, 0.0000,
0.0000

■ 34.8455, 42.4088,
51.6966

■ 34.8455, 42.4088,
51.6966

■ 32.2986, 41.0969,
51.5779

■ 37.8982, 43.9836,
51.8408

■ 30.2268, 40.0288,
51.4806

■ 41.4779, 45.8290,
52.0087

■ 28.6016, 39.1911,
51.4041

■ 45.6093, 47.9588,
52.2024

■ 27.3904, 38.5667,
51.3471

■ 50.3143, 50.3843,
52.4230

■ 26.5557, 38.1364,
51.3076

■ 55.6136, 53.1162,
52.6714

■ 26.0535, 37.8775,
51.2837

■ 61.5269, 56.1646,
52.9485

■ 25.7951, 37.7443,
51.2713

■ 67.0336, 59.0034,
53.2066

■ 25.7926, 37.7430,
51.2711

■ 67.0337, 59.0034,
53.2070

■ 67.0337, 59.0034,
53.2074

Harmonies

Analogous

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



34.7004, 42.4088, 42.6659



34.8455, 42.4088, 51.6966



36.4068, 42.4088, 60.2039

Triad

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



34.8455, 42.4088, 51.6966



44.9477, 42.4088, 58.7213



41.5795, 42.4088, 31.2779

Complementary

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



34.8455, 42.4088, 51.6966



31.5814, 27.4771, 24.4096

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.



44.4790, 42.4088, 34.5162



34.8455, 42.4088, 51.6966



46.4900, 42.4088, 49.8735

Square

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



34.8455, 42.4088, 51.6966



42.1925, 42.4088, 64.6071



46.3141, 42.4088, 41.0631



38.4811, 42.4088, 31.6329

Rectangle

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



34.8455, 42.4088, 51.6966



38.0886, 42.4088, 64.0789



46.3141, 42.4088, 41.0631



42.6126, 42.4088, 31.9631

Sweetspot

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



34.8467, 42.4105, 51.6976



75.7068, 83.3421, 94.3004



30.2974, 40.6069, 27.0109



16.1029, 17.8545, 20.3190



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



34.8467, 42.4105, 51.6976



59.9690, 75.2290, 93.5620



29.8339, 32.3844, 50.0277



9.2667, 10.2107, 11.5618



17.7753, 26.0111, 35.3342



0.6266, 0.9170, 1.2456

Inverse Universe

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



31.5814, 27.4771, 24.4096



53.0753, 43.7026, 35.9535



35.5498, 35.4142, 25.7317



9.0046, 9.0122, 9.3719



13.6234, 7.0231, 0.6377



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 34.8455, 42.4088, 51.6966 looks on a white background.

Color Contrast Check

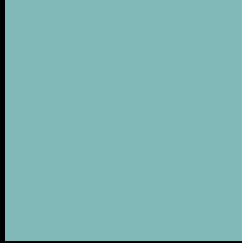
Large Text (above 18pt) WCAG AA × Fail

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 34.8455, 42.4088, 51.6966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

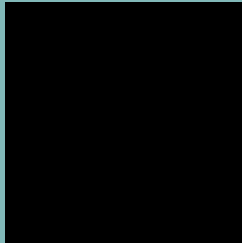
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8455, 42.4088, 51.6966

Background



This preview shows how black text looks on a background with the XYZ color 34.8455, 42.4088, 51.6966.



This preview shows how white text looks on a background with the XYZ color 34.8455, 42.4088,

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

34.8455, 42.4088, 51.6966

Protanopia

40.5586, 42.1754, 47.5980

Deuteranopia

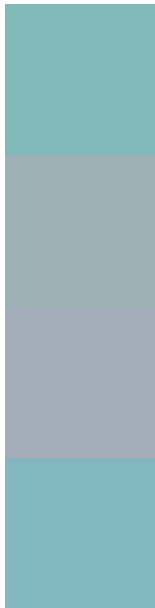
42.9248, 42.1541, 52.8879



Tritanopia

36.3217, 42.3926, 59.0916

Trichromacy



Original Color

34.8455, 42.4088, 51.6966

Protanomaly

38.0609, 42.0087, 49.2825

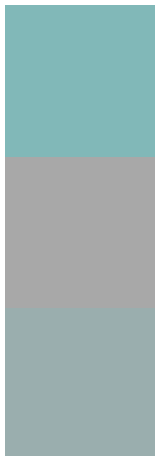
Deuteranomaly

39.3088, 41.7098, 52.4334

Tritanomaly

35.8080, 42.4980, 56.1848

Monochromacy



Original Color

34.8455, 42.4088, 51.6966

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.1025, 40.1981, 45.9006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8455, 42.4088, 51.6966 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(129, 184, 184)` looks like.

```
.text, #text, p{  
    color:rgb(129, 184, 184)  
}
```

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(129, 184, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 184) }
```

Border

The CSS property to change the border of an element to XYZ 34.8455, 42.4088, 51.6966 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(129, 184, 184) }
```


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

```
.border{ border-color:rgb(129, 184, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 184, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 184, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 184, 184);  
box-shadow:4px 4px 4px 4px rgb(129, 184,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8455, 42.4088, 51.6966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 184) }
```

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

```
.background{ background-color: rgb(129,  
184, 184) }
```

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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