

Converting Colors

XYZ(34.1873, 48.3315, 49.2422)

Have a look what the booklet for
XYZ(34.1873, 48.3315, 49.2422)
contains.

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Color

**XYZ(34.2215, 48.4276,
49.1388)**

Conversions

Conversions Part 1

Format	Color
Hex	61CBB1
RGB	97, 203, 177
RGB Percent	38%, 80%, 69%
CMY	0.6196, 0.2039, 0.3059
CMYK	0.52, 0.00, 0.13, 0.20
HSL	165°, 50%, 59%
HSV	165°, 52%, 80%
XYZ	34.2215, 48.4276, 49.1388
YIQ	168.3420, -54.8300, -30.5580

Conversions

Conversions Part 2

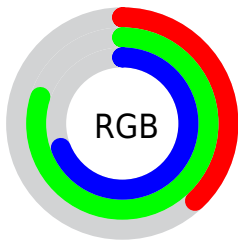
Format	Color
RYB	97, 157, 203
Decimal	6409137
CIELab	75.09, -36.94, 3.65
CIELCh	75, 37.120, 174.358
Yxy	48.4276, 0.2597, 0.3675
Android (android.graphics.Color)	4284599217 (0xFF61CBB1)
YUV	168.3420, 4.2684, -62.5669
Hunter-Lab	69.5899, -34.0034, 6.8471

Details

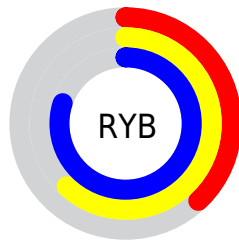
The XYZ color **34.2215, 48.4276, 49.1388** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.4800, 22.6772, 21.4058**, and the grayscale version is **37.3876, 39.3347, 42.8355**.

A 20% lighter version of the original color is **63.9855, 84.3718, 90.0038**, and **14.8237, 22.9421, 22.7158** is the 20% darker color. If you saturate the color by 10%, you get **31.8419, 47.2584, 46.4843**, and if you desaturate by 10%, it is **37.1753, 49.8932, 51.9168**.

Distribution



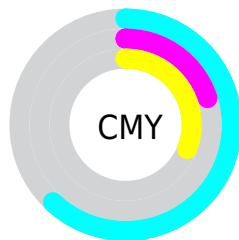
- Red (38%)
- Green (80%)
- Blue (69%)



- Red (38%)
- Yellow (62%)
- Blue (80%)



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)



- Cyan (62%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2215, 48.4276, 49.1388 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 34.2215, 48.4276, 49.1388 by changing the saturation by 10% instead.

■ 34.2215, 48.4276,
49.1388

■ 34.2215, 48.4276,
49.1388

312.6871,
380.4845, 399.9267

■ 23.2275, 34.1656,
34.3632

■ 65.6200, 87.8407,
90.2807

■ 14.8832, 23.0209,
22.8932

■ 86.7552, 113.7607,
117.4841

■ 8.8232, 14.6089,
14.3101

■ 112.0015,
144.3354, 149.6671

■ 4.6823, 8.5454,
8.1954

■ 141.7243,
179.9493, 187.2484

■ 2.0949, 4.4459,
4.1307

176.2889,
220.9868, 230.6465

■ 0.6864, 1.9260,
1.6973

216.0606,

■ 0.0000, 0.5639,

267.8322, 280.2799

0.3589

261.4049,
320.8700, 336.5671

■ 0.0000, 0.0000,
0.0000

■ 34.2215, 48.4276,
49.1388

■ 34.2215, 48.4276,
49.1388

■ 31.8419, 47.2584,
46.4843

■ 37.1753, 49.8932,
51.9168

■ 29.9892, 46.3575,
43.9470

■ 40.7381, 51.6693,
54.8179

■ 28.6151, 45.7013,
41.5247

■ 44.9464, 53.7761,
57.8456

■ 27.6600, 45.2591,
39.2135

■ 49.8328, 56.2303,
61.0026

■ 27.1236, 45.0203,
37.4868

■ 55.4277, 59.0476,
64.2911

■ 61.7595, 62.2426,
67.7134

■ 68.8550, 65.8291,
71.2717

■ 75.1002, 68.9749,
74.8913

■ 75.7573, 69.2378,
78.3514

Harmonies

Analogous

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



36.2140, 48.4276, 33.8060



34.2215, 48.4276, 49.1388



35.1313, 48.4276, 69.7017

Triad

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



34.2215, 48.4276, 49.1388



51.6260, 48.4276, 94.6484



54.0628, 48.4276, 27.8078

Complementary

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



34.2215, 48.4276, 49.1388



32.4800, 22.6772, 21.4058

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.



58.9752, 48.4276, 38.7635



34.2215, 48.4276, 49.1388



57.4742, 48.4276, 77.6538

Square

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



34.2215, 48.4276, 49.1388



44.7575, 48.4276, 99.3730



60.2810, 48.4276, 56.4908



47.3243, 48.4276, 23.5880

Rectangle

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



34.2215, 48.4276, 49.1388



37.3119, 48.4276, 83.4259



60.2810, 48.4276, 56.4908



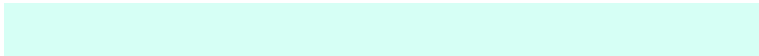
56.0079, 48.4276, 30.6715

Sweetspot

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



34.2229, 48.4295, 49.1399



80.0301, 92.4383, 100.0039



31.7552, 47.8249, 18.8675



16.7647, 19.6023, 21.1690



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.



34.2229, 48.4295, 49.1399



52.7541, 78.8550, 77.1300



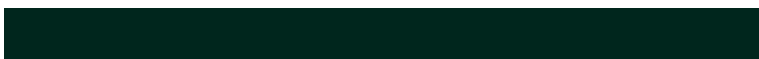
31.3343, 38.1020, 62.2051



11.4211, 12.6782, 13.7748



17.2983, 28.6646, 24.0538



0.9213, 1.4903, 1.3929

Inverse Universe

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



32.4800, 22.6772, 21.4058



49.5601, 31.0423, 25.8453



33.9330, 27.8513, 14.8974



11.3233, 11.2581, 12.2371



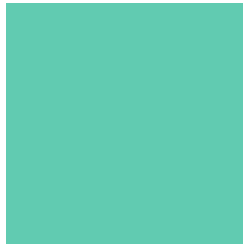
16.0678, 8.2377, 2.8099



0.8600, 0.4374, 0.3085

Previews

White Background



This preview shows how the XYZ color 34.2215, 48.4276, 49.1388 looks on a white background.

Color Contrast Check

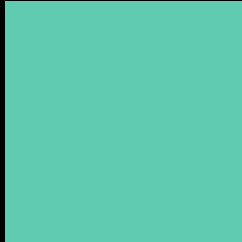
Large Text (above 18pt) WCAG AA × Fail

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 34.2215, 48.4276, 49.1388 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

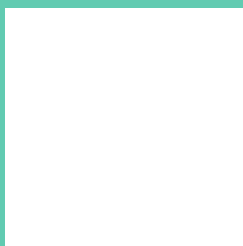
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2215, 48.4276, 49.1388

Background



This preview shows how black text looks on a background with the XYZ color 34.2215, 48.4276, 49.1388.

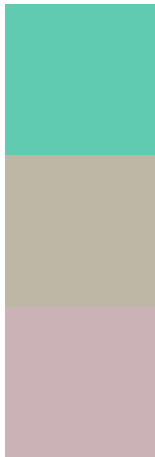


This preview shows how white text looks on a background with the XYZ color 34.2215, 48.4276,

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

34.2215, 48.4276, 49.1388

Protanopia

45.3023, 47.6965, 42.8951

Deuteranopia

48.7210, 47.7747, 50.9095



Tritanopia

38.6384, 48.4944, 70.9422

Trichromacy



Original Color

34.2215, 48.4276, 49.1388



Protanomaly

39.5738, 46.8973, 44.9965



Deuteranomaly

41.3184, 46.7284, 50.0218



Tritanomaly

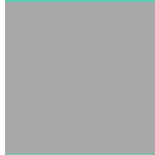
37.0226, 48.5289, 62.6741

Monochromacy



Original Color

34.2215, 48.4276, 49.1388



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.0299, 41.7388, 44.7382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2215, 48.4276, 49.1388 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(97, 203, 177)` looks like.

```
.text, #text, p{  
    color:rgb(97, 203, 177)  
}
```

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(97, 203, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 203, 177) }
```

Border

The CSS property to change the border of an element to XYZ 34.2215, 48.4276, 49.1388 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(97, 203, 177) }
```


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

```
.border{ border-color:rgb(97, 203, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 203, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 203, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 203, 177);  
box-shadow:4px 4px 4px 4px rgb(97, 203,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2215, 48.4276, 49.1388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 203, 177) }
```

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

```
.background{ background-color: rgb(97, 203,  
177) }
```

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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