

Converting Colors

XYZ(32.9880, 48.5742, 54.7083)

Have a look what the booklet for
XYZ(32.9880, 48.5742, 54.7083)
contains.

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Color

**XYZ(33.0908, 48.7872,
54.6865)**

Conversions

Conversions Part 1

Format	Color
Hex	3FCEBB
RGB	63, 206, 187
RGB Percent	25%, 81%, 73%
CMY	0.7529, 0.1921, 0.2667
CMYK	0.69, 0.00, 0.09, 0.19
HSL	172°, 59%, 53%
HSV	172°, 69%, 81%
XYZ	33.0908, 48.7872, 54.6865
YIQ	161.0770, -79.1290, -36.2250

Conversions

Conversions Part 2

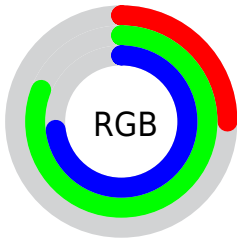
Format	Color
RYB	63, 140, 206
Decimal	4181691
CIELab	75.32, -41.87, -1.53
CIElCh	75, 41.900, 182.095
Yxy	48.7872, 0.2423, 0.3572
Android (android.graphics.Color)	4282371771 (0xFF3FCEBB)
YUV	161.0770, 12.7800, -86.0135
Hunter-Lab	69.8478, -37.6683, 2.4731

Details

The XYZ color **33.0908, 48.7872, 54.6865** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **28.7557, 17.2873, 9.8055**, and the grayscale version is **33.8824, 35.6469, 38.8195**.

A 20% lighter version of the original color is **60.9909, 82.6582, 97.5341**, and **15.3697, 23.8544, 26.3486** is the 20% darker color. If you saturate the color by 10%, you get **31.7231, 48.1168, 53.1082**, and if you desaturate by 10%, it is **34.9589, 49.7172, 56.3196**.

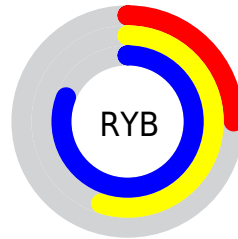
Distribution



Red (25%)

Green (81%)

Blue (73%)



Red (25%)

Yellow (55%)

Blue (81%)

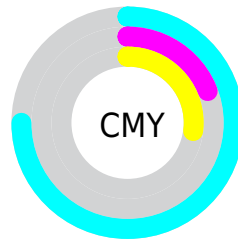


Cyan (69%)

Magenta (0%)

Yellow (9%)

Black (19%)



Cyan (75%)

Magenta (19%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0908, 48.7872, 54.6865 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 33.0908, 48.7872, 54.6865 by changing the saturation by 10% instead.

■ 33.0908, 48.7872,
54.6865

■ 33.0908, 48.7872,
54.6865

307.7164,
381.9040, 421.9709

■ 22.3556, 34.4507,
38.7539

■ 63.8710, 88.3753,
98.5480

■ 14.2365, 23.2401,
26.2620

■ 84.6467, 114.3957,
127.3140

■ 8.3681, 14.7709,
16.7922

■ 109.4999,
145.0796, 161.1948

■ 4.3852, 8.6587,
9.9261

■ 138.7960,
180.8112, 200.6091

■ 1.9223, 4.5193,
5.2450

■ 172.9004,
221.9751, 245.9752

■ 0.5897, 1.9681,
2.3305

212.1783,

■ 0.0000, 0.5888,

268.9556, 297.7119

0.7482

256.9952,
322.1371, 356.2376

■ 0.0000, 0.0000,
0.0000

■ 33.0908, 48.7872,
54.6865

■ 33.0908, 48.7872,
54.6865

■ 31.7231, 48.1168,
53.1082

■ 34.9589, 49.7172,
56.3196

■ 30.7934, 47.6704,
51.5783

■ 37.3724, 50.9266,
58.0064

■ 30.2026, 47.3981,
50.0931

■ 40.3760, 52.4395,
59.7504

■ 30.1713, 47.3839,
50.0072

■ 44.0086, 54.2760,
61.5534

■ 48.3057, 56.4545,
63.4173

■ 53.3003, 58.9918,
65.3438

■ 59.0231, 61.9039,
67.3345

■ 65.5028, 65.2055,
69.3908

■ 72.7669, 68.9108,
71.5143

Harmonies

Analogous

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



34.4768, 48.7872, 35.6423



33.0908, 48.7872, 54.6865



34.9230, 48.7872, 78.9907

Triad

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



33.0908, 48.7872, 54.6865



54.6922, 48.7872, 97.7578



53.6521, 48.7872, 23.7656

Complementary

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



33.0908, 48.7872, 54.6865



28.7557, 17.2873, 9.8055

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.



60.0812, 48.7872, 33.6236



33.0908, 48.7872, 54.6865



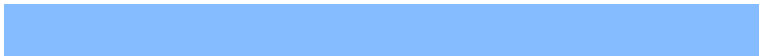
60.7269, 48.7872, 75.5436

Square

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



33.0908, 48.7872, 54.6865



46.9142, 48.7872, 107.7725



62.7992, 48.7872, 51.5856



45.8315, 48.7872, 21.0115

Rectangle

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



33.0908, 48.7872, 54.6865



37.8553, 48.7872, 94.1018



62.7992, 48.7872, 51.5856



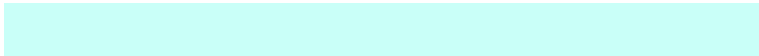
56.0762, 48.7872, 26.1930

Sweetspot

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



33.0922, 48.7891, 54.6877



76.8939, 90.7701, 102.1804



26.4555, 46.3002, 12.2461



16.0303, 19.2114, 21.6891



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.



33.0922, 48.7891, 54.6877



50.6189, 77.5804, 84.8896



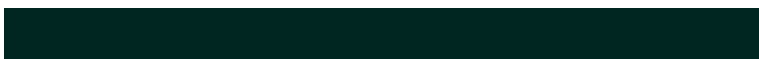
24.6762, 28.4832, 62.5918



11.4766, 12.7004, 14.0674



18.6038, 29.1868, 30.9285



0.9780, 1.5130, 1.6917

Inverse Universe

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



28.7557, 17.2873, 9.8055



43.2693, 23.4744, 8.2919



32.5328, 25.8430, 7.9771



11.2720, 11.2375, 11.9670



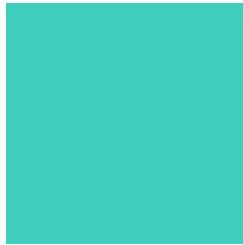
15.8186, 8.1380, 1.4974



0.8364, 0.4280, 0.1845

Previews

White Background



This preview shows how the XYZ color 33.0908, 48.7872, 54.6865 looks on a white background.

Color Contrast Check

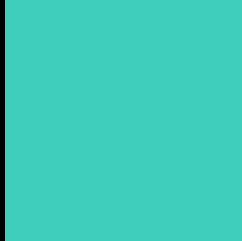
Large Text (above 18pt) WCAG AA × Fail

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 33.0908, 48.7872, 54.6865 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

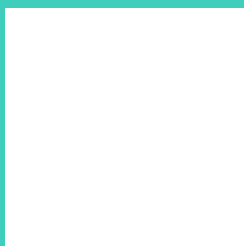
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0908, 48.7872, 54.6865

Background



This preview shows how black text looks on a background with the XYZ color 33.0908, 48.7872, 54.6865.

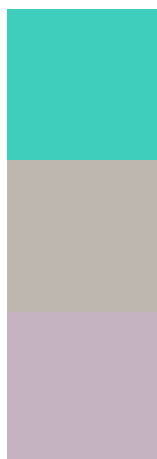


This preview shows how white text looks on a background with the XYZ color 33.0908, 48.7872,

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

33.0908, 48.7872, 54.6865

Protanopia

45.8087, 47.8701, 46.8699

Deuteranopia

49.0344, 48.0962, 57.1512



Tritanopia

36.9999, 48.9653, 73.8308

Trichromacy



Original Color

33.0908, 48.7872, 54.6865



Protanomaly

38.2691, 46.4456, 49.5957



Deuteranomaly

39.9960, 46.5463, 56.1665



Tritanomaly

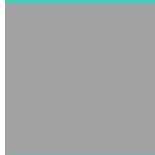
35.3661, 48.6333, 66.5547

Monochromacy



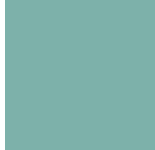
Original Color

33.0908, 48.7872, 54.6865



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.4353, 38.7065, 43.8445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0908, 48.7872, 54.6865 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(63, 206, 187)` looks like.

```
.text, #text, p{  
    color:rgb(63, 206, 187)  
}
```

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(63, 206, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 206, 187) }
```

Border

The CSS property to change the border of an element to XYZ 33.0908, 48.7872, 54.6865 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(63, 206, 187) }
```


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

```
.border{ border-color:rgb(63, 206, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 206, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 206, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 206, 187);  
box-shadow:4px 4px 4px 4px rgb(63, 206,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0908, 48.7872, 54.6865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 206, 187) }
```

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

```
.background{ background-color: rgb(63, 206,  
187) }
```

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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