

Converting Colors

XYZ(33.8305, 44.8428, 63.9988)

Have a look what the booklet for
XYZ(33.8305, 44.8428, 63.9988)
contains.

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Color

**XYZ(33.8470, 44.8280,
63.9955)**

Conversions

Conversions Part 1

Format	Color
Hex	54C2CC
RGB	84, 194, 204
RGB Percent	33%, 76%, 80%
CMY	0.6706, 0.2392, 0.2000
CMYK	0.59, 0.05, 0.00, 0.20
HSL	185°, 54%, 56%
HSV	185°, 59%, 80%
XYZ	33.8470, 44.8280, 63.9955
YIQ	162.2500, -68.7700, -20.2100

Conversions

Conversions Part 2

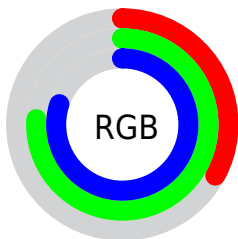
Format	Color
RYB	84, 141, 204
Decimal	5554892
CIELab	72.78, -28.26, -14.46
CIELCh	73, 31.749, 207.101
Yxy	44.8280, 0.2372, 0.3142
Android (android.graphics.Color)	4283744972 (0xFF54C2CC)
YUV	162.2500, 20.5828, -68.6252
Hunter-Lab	66.9537, -26.9322, -9.8028

Details

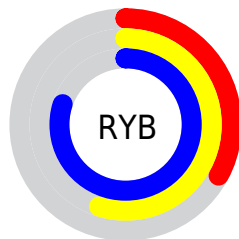
The XYZ color **33.8470, 44.8280, 63.9955** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.5057, 21.4839, 10.9277**, and the grayscale version is **34.3908, 36.1818, 39.4019**.

A 20% lighter version of the original color is **64.0488, 82.1437, 107.0873**, and **14.8831, 20.9582, 32.1151** is the 20% darker color. If you saturate the color by 10%, you get **31.9043, 43.2691, 63.7978**, and if you desaturate by 10%, it is **36.3284, 46.6730, 64.2217**.

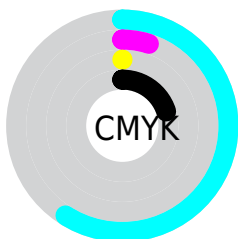
Distribution



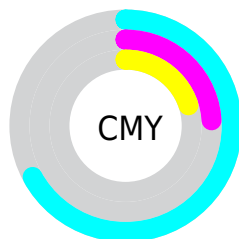
- Red (33%)
- Green (76%)
- Blue (80%)



- Red (33%)
- Yellow (55%)
- Blue (80%)



- Cyan (59%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)



- Cyan (67%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8470, 44.8280, 63.9955 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 33.8470, 44.8280, 63.9955 by changing the saturation by 10% instead.

■ 33.8470, 44.8280,
63.9955

■ 33.8470, 44.8280,
63.9955

311.0472,
366.0765, 457.3804

■ 22.9384, 31.3220,
46.2009

■ 65.0415, 82.4622,
112.2039

■ 14.6685, 20.8441,
32.0546

■ 86.0582, 107.3593,
143.4547

■ 8.6719, 13.0101,
21.1380

■ 111.1750,
136.8220, 180.0280

■ 4.5832, 7.4355,
13.0327

■ 140.7571,
171.2350, 222.3423

■ 2.0370, 3.7359,
7.3201

175.1701,
210.9825, 270.8161

■ 0.6546, 1.5270,
3.5816

214.7792,

■ 0.0000, 0.3076,

256.4490, 325.8681

1.3987

259.9498,
308.0189, 387.9166

■ 0.0000, 0.0000,
0.1407

■ 0.0000, 0.0000,
0.0000

■ 33.8470, 44.8280,
63.9955

■ 33.8470, 44.8280,
63.9955

■ 31.9043, 43.2691,
63.7978

■ 36.3284, 46.6730,
64.2217

■ 30.4486, 41.9666,
63.6231

■ 39.3862, 48.8207,
64.4750

■ 29.4250, 40.8933,
63.4699

■ 43.0597, 51.2922,
64.7585

■ 28.7430, 40.0024,
63.3339

■ 47.3833, 54.1053,
65.0736

■ 28.6703, 39.9018,
63.3183

■ 52.3890, 57.2766,
65.4219

■ 58.1067, 60.8215,
65.8047

■ 64.5645, 64.7544,
66.2235

■ 71.7888, 69.0891,
66.6794

■ 75.0137, 71.3685,
66.9494

Harmonies

Analogous

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



32.8694, 44.8280, 47.2903



33.8470, 44.8280, 63.9955



37.1031, 44.8280, 79.0110

Triad

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



33.8470, 44.8280, 63.9955



52.1469, 44.8280, 67.2354



43.1462, 44.8280, 24.3262

Complementary

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



33.8470, 44.8280, 63.9955



30.5057, 21.4839, 10.9277

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.



48.6314, 44.8280, 27.4917



33.8470, 44.8280, 63.9955



54.1012, 44.8280, 50.3621

Square

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



33.8470, 44.8280, 63.9955



47.6240, 44.8280, 81.1474



52.7629, 44.8280, 36.2396



37.9566, 44.8280, 26.4575

Rectangle

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



33.8470, 44.8280, 63.9955



40.2839, 44.8280, 84.8056



52.7629, 44.8280, 36.2396



45.0191, 44.8280, 24.7864

Sweetspot

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



33.8484, 44.8297, 63.9966



78.9248, 89.8940, 107.7992



27.1819, 45.8442, 17.5427



16.4126, 18.9319, 23.0391



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.



33.8484, 44.8297, 63.9966



52.0051, 70.9437, 105.5603



23.3606, 23.8542, 60.5007



11.4602, 12.5609, 14.3908



18.0784, 25.1808, 39.8638



0.9568, 1.3473, 2.0646

Inverse Universe

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



37.8109, 23.0743, 53.5016



59.4009, 32.4371, 85.5017



37.7314, 35.9353, 13.3362



11.6457, 11.3870, 13.9346



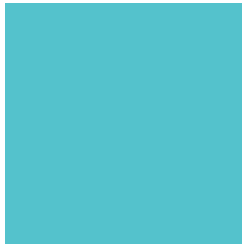
21.3360, 10.3450, 30.5520



1.1129, 0.5386, 1.6403

Previews

White Background



This preview shows how the XYZ color 33.8470, 44.8280, 63.9955 looks on a white background.

Color Contrast Check

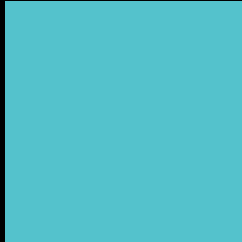
Large Text (above 18pt) WCAG AA × Fail

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 33.8470, 44.8280, 63.9955 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 33.8470, 44.8280, 63.9955

Background



This preview shows how black text looks on a background with the XYZ color 33.8470, 44.8280, 63.9955.

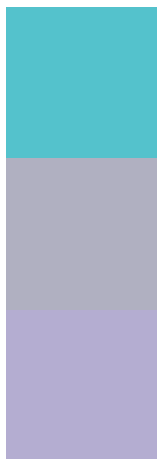


This preview shows how white text looks on a background with the XYZ color 33.8470, 44.8280,

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

33.8470, 44.8280, 63.9955

Protanopia

43.0555, 44.1310, 56.7010

Deuteranopia

45.2746, 44.1939, 66.4656



Tritanopia

34.4163, 44.7218, 67.1398

Trichromacy



Original Color

33.8470, 44.8280, 63.9955

Protanomaly

38.3392, 43.7378, 59.2449

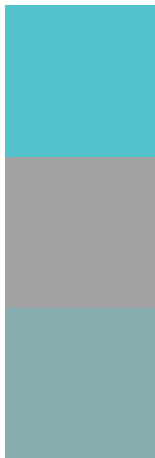
Deuteranomaly

39.4634, 43.5725, 65.3619

Tritanomaly

34.0788, 44.5762, 65.8394

Monochromacy



Original Color

33.8470, 44.8280, 63.9955

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.9034, 38.5148, 47.2949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8470, 44.8280, 63.9955 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(84, 194, 204)` looks like.

```
.text, #text, p{  
    color:rgb(84, 194, 204)  
}
```

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(84, 194, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 194, 204) }
```

Border

The CSS property to change the border of an element to XYZ 33.8470, 44.8280, 63.9955 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(84, 194, 204) }
```


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

```
.border{ border-color:rgb(84, 194, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 194, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 194, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 194, 204);  
box-shadow:4px 4px 4px 4px rgb(84, 194,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8470, 44.8280, 63.9955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 194, 204) }
```

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

```
.background{ background-color: rgb(84, 194,  
204) }
```

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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