

Converting Colors

XYZ(33.7934, 44.6029, 62.0865)

Have a look what the booklet for
XYZ(33.7934, 44.6029, 62.0865)
contains.

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Color

**XYZ(33.7324, 44.4808,
62.0661)**

Conversions

Conversions Part 1

Format	Color
Hex	59C1C9
RGB	89, 193, 201
RGB Percent	35%, 76%, 79%
CMY	0.6510, 0.2431, 0.2118
CMYK	0.56, 0.04, 0.00, 0.21
HSL	184°, 51%, 57%
HSV	184°, 56%, 79%
XYZ	33.7324, 44.4808, 62.0661
YIQ	162.8160, -64.5520, -19.5600

Conversions

Conversions Part 2

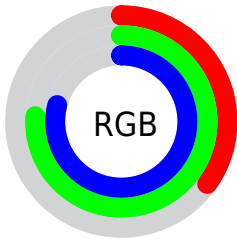
Format	Color
R_{YB}	89, 143, 201
Decimal	5882313
CIE _{Lab}	72.55, -27.67, -13.16
CIE _{LCh}	73, 30.642, 205.432
Yxy	44.4808, 0.2405, 0.3171
Android (android.graphics.Color)	4284072393 (0xFF59C1C9)
YUV	162.8160, 18.8247, -64.7366
Hunter-Lab	66.6939, -26.4328, -8.4902

Details

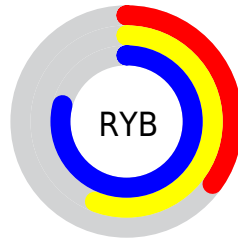
The XYZ color **33.7324, 44.4808, 62.0661** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.1662, 21.6891, 12.0489**, and the grayscale version is **34.6632, 36.4683, 39.7140**.

A 20% lighter version of the original color is **64.4483, 81.8871, 107.0167**, and **14.5867, 20.6170, 30.8144** is the 20% darker color. If you saturate the color by 10%, you get **31.7451, 42.9885, 61.8836**, and if you desaturate by 10%, it is **36.2520, 46.2541, 62.2764**.

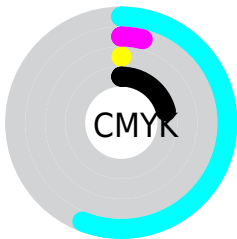
Distribution



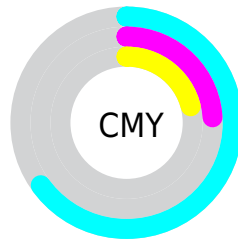
- Red (35%)
- Green (76%)
- Blue (79%)



- Red (35%)
- Yellow (56%)
- Blue (79%)



- Cyan (56%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)



- Cyan (65%)
- Magenta (24%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7324, 44.4808, 62.0661 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 33.7324, 44.4808, 62.0661 by changing the saturation by 10% instead.

■ 33.7324, 44.4808,
62.0661

■ 33.7324, 44.4808,
62.0661

310.5441,
364.6667, 450.1865

■ 22.8500, 31.0487,
44.6500

■ 64.8644, 81.9407,
109.3936

■ 14.6029, 20.6359,
30.8409

■ 85.8447, 106.7373,
140.1420

■ 8.6257, 12.8581,
20.2203

■ 110.9216,
136.0909, 176.1716

■ 4.5530, 7.3309,
12.3696

■ 140.4606,
170.3858, 217.9010

■ 2.0195, 3.6699,
6.8703

174.8270,
210.0064, 265.7486

■ 0.6449, 1.4907,
3.3039

214.3862,

■ 0.0000, 0.2822,

255.3372, 320.1330

1.2518

259.5034,
306.7625, 381.4728

■ 0.0000, 0.0000,
0.0218

■ 0.0000, 0.0000,
0.0000

■ 33.7324, 44.4808,
62.0661

■ 33.7324, 44.4808,
62.0661

■ 31.7451, 42.9885,
61.8836

■ 36.2520, 46.2541,
62.2764

■ 30.2421, 41.7494,
61.7236

■ 39.3388, 48.3234,
62.5131

■ 29.1736, 40.7388,
61.5849

■ 43.0297, 50.7087,
62.7790

■ 28.4763, 39.9242,
61.4644

■ 47.3570, 53.4267,
63.0755

■ 28.2382, 39.6080,
61.4159

■ 52.3509, 56.4929,
63.4042

■ 58.0397, 59.9220,
63.7662

■ 64.4498, 63.7277,
64.1629

■ 71.6066, 67.9229,
64.5955

■ 73.8354, 69.5823,
64.7983

Harmonies

Analogous

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



32.9180, 44.4808, 46.1465



33.7324, 44.4808, 62.0661



36.7594, 44.4808, 76.6335

Triad

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



33.7324, 44.4808, 62.0661



51.2292, 44.4808, 66.9340



43.0938, 44.4808, 24.7905

Complementary

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



33.7324, 44.4808, 62.0661



30.1662, 21.6891, 12.0489

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.



48.3223, 44.4808, 28.1684



33.7324, 44.4808, 62.0661



53.2620, 44.4808, 50.7918

Square

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



33.7324, 44.4808, 62.0661



46.8030, 44.4808, 79.8305



52.1564, 44.4808, 36.9569



38.0538, 44.4808, 26.5810

Rectangle

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



33.7324, 44.4808, 62.0661



39.7679, 44.4808, 82.4948



52.1564, 44.4808, 36.9569



44.8909, 44.4808, 25.3351

Sweetspot

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



33.7338, 44.4825, 62.0672



79.8809, 90.7257, 107.9094



27.1404, 44.7513, 18.3880



16.7628, 19.2099, 23.0743



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.



33.7338, 44.4825, 62.0672



53.7099, 73.0925, 105.8852



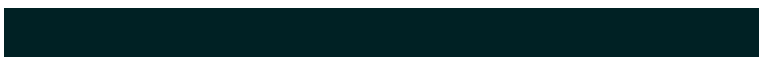
23.6853, 24.3856, 58.7177



10.8794, 11.9329, 13.6474



17.7833, 24.9606, 38.6249



0.8619, 1.2216, 1.8355

Inverse Universe

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



37.2866, 23.4138, 53.0079



60.5692, 34.0829, 88.0209



37.1958, 35.7483, 14.3921



11.0492, 10.8030, 13.2421



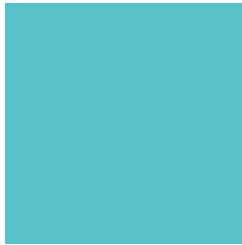
20.7755, 10.0598, 30.3575



0.9938, 0.4803, 1.4903

Previews

White Background



This preview shows how the XYZ color 33.7324, 44.4808, 62.0661 looks on a white background.

Color Contrast Check

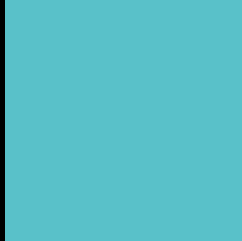
Large Text (above 18pt) WCAG AA × Fail

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 33.7324, 44.4808, 62.0661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

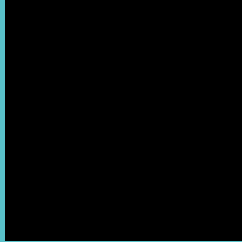
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7324, 44.4808, 62.0661

Background



This preview shows how black text looks on a background with the XYZ color 33.7324, 44.4808, 62.0661.

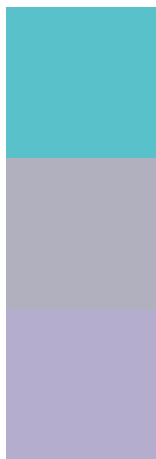


This preview shows how white text looks on a background with the XYZ color 33.7324, 44.4808,

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

33.7324, 44.4808, 62.0661

Protanopia

42.7241, 43.9985, 54.9560

Deuteranopia

44.7854, 43.9982, 63.8897



Tritanopia

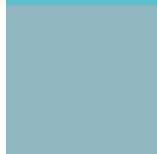
34.6484, 44.5287, 66.4432

Trichromacy



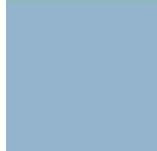
Original Color

33.7324, 44.4808, 62.0661



Protanomaly

37.9672, 43.2802, 57.3918



Deuteranomaly

39.2530, 43.2052, 63.3973



Tritanomaly

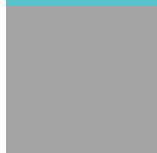
34.1835, 44.3312, 64.5127

Monochromacy



Original Color

33.7324, 44.4808, 62.0661



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

33.2252, 38.6807, 47.3099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7324, 44.4808, 62.0661 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(89, 193, 201)` looks like.

```
.text, #text, p{  
    color:rgb(89, 193, 201)  
}
```

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(89, 193, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 193, 201) }
```

Border

The CSS property to change the border of an element to XYZ 33.7324, 44.4808, 62.0661 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(89, 193, 201) }
```


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

```
.border{ border-color:rgb(89, 193, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 193, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 193, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 193, 201);  
box-shadow:4px 4px 4px 4px rgb(89, 193,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7324, 44.4808, 62.0661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 193, 201) }
```

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

```
.background{ background-color: rgb(89, 193,  
201) }
```

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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