

# Converting Colors

XYZ(34.4859, 43.4623, 52.4704)

Have a look what the booklet for  
XYZ(34.4859, 43.4623, 52.4704)  
contains.

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# Color

**XYZ(34.4859, 43.4623,  
52.4704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78BCB9
RGB	120, 188, 185
RGB Percent	47%, 74%, 73%
CMY	0.5294, 0.2627, 0.2745
CMYK	0.36, 0.00, 0.02, 0.26
HSL	177°, 34%, 60%
HSV	177°, 36%, 74%
XYZ	34.4859, 43.4623, 52.4704
YIQ	167.3260, -39.5650, -15.3490

# Conversions

## Conversions Part 2

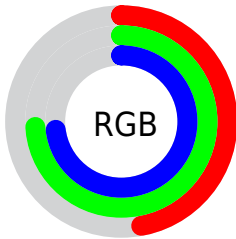
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 155, 188
Decimal	7912633
CIELab	71.87, -22.12, -5.30
CIELCh	72, 22.748, 193.486
Yxy	43.4623, 0.2644, 0.3333
Android (android.graphics.Color)	4286102713 (0xFF78BCB9)
YUV	167.3260, 8.7133, -41.5049
Hunter-Lab	65.9259, -21.9969, -1.0407

# Details

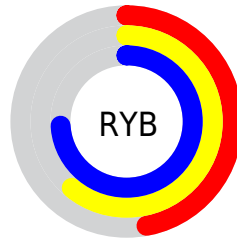
The XYZ color **34.4859, 43.4623, 52.4704** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.0322, 25.5556, 22.0377**, and the grayscale version is **36.8632, 38.7830, 42.2347**.

A 20% lighter version of the original color is **65.9071, 80.1662, 95.2190**, and **14.9367, 19.8744, 24.8787** is the 20% darker color. If you saturate the color by 10%, you get **32.0432, 42.2142, 51.9009**, and if you desaturate by 10%, it is **37.4436, 44.9780, 53.0685**.

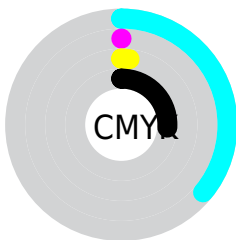
# Distribution



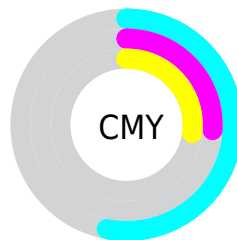
- Red (47%)
- Green (74%)
- Blue (73%)



- Red (47%)
- Yellow (61%)
- Blue (74%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)




- Cyan (53%)
- Magenta (26%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4859, 43.4623, 52.4704 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 34.4859, 43.4623, 52.4704 by changing the saturation by 10% instead.





 34.4859, 43.4623,  
52.4704


 34.4859, 43.4623,  
52.4704


313.8412,  
360.5095, 413.2584


 23.4318, 30.2480,  
36.9953


 66.0279, 80.4080,  
95.2582

 15.0351, 20.0269,  
24.9081


 87.2464, 104.9082,  
123.4081

 8.9305, 12.4146,  
15.7902


 112.5838,  
133.9392, 156.6200

 4.7526, 7.0267,  
9.2231

142.4054,  
167.8854, 195.3124

 2.1361, 3.4788,  
4.7882

177.0766,  
207.1311, 239.9039

 0.7087, 1.3865,  
2.0670

216.9628,

 0.0000, 0.2068,

252.0608, 290.8131

0.5960

262.4292,  
303.0588, 348.4584

■ 0.0000, 0.0000,  
0.0000

■ 34.4859, 43.4623,  
52.4704

■ 34.4859, 43.4623,  
52.4704

■ 32.0432, 42.2142,  
51.9009

■ 37.4436, 44.9780,  
53.0685

■ 30.0815, 41.2130,  
51.3557

■ 40.9401, 46.7702,  
53.6936

■ 28.5690, 40.4432,  
50.8341

■ 45.0023, 48.8541,  
54.3479

■ 27.4680, 39.8855,  
50.3344

■ 49.6542, 51.2420,  
55.0324

■ 26.7352, 39.5176,  
49.8547

■ 54.9186, 53.9454,  
55.7483

■ 26.3145, 39.3105,  
49.3921

■ 60.8168, 56.9756,  
56.4965

■ 26.1920, 39.2511,  
49.2175

■ 67.3692, 60.3430,  
57.2781

■ 68.6987, 61.0178,  
57.8179

■ 68.7907, 61.0546,  
58.3025

# Harmonies

## Analogous

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



34.5763, 43.4623, 41.5183



34.4859, 43.4623, 52.4704



36.1409, 43.4623, 63.5613

# Triad

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



34.4859, 43.4623, 52.4704



46.6466, 43.4623, 64.5362



43.4618, 43.4623, 29.6860

# Complementary

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



34.4859, 43.4623, 52.4704



31.0322, 25.5556, 22.0377

# 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.



46.9490, 43.4623, 34.1166



34.4859, 43.4623, 52.4704



48.8649, 43.4623, 53.6451

# Square

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



34.4859, 43.4623, 52.4704



43.0699, 43.4623, 71.2270



48.9788, 43.4623, 42.5239



39.5980, 43.4623, 29.4728



# Rectangle

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



34.4859, 43.4623, 52.4704



38.0750, 43.4623, 69.0763



48.9788, 43.4623, 42.5239



44.7225, 43.4623, 30.6959

# Sweetspot

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



34.4872, 43.4640, 52.4714



77.7372, 86.5776, 97.8927



29.6004, 41.5648, 24.2329



16.5049, 18.5093, 21.0170



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



34.4872, 43.4640, 52.4714



59.0800, 77.0194, 94.3095



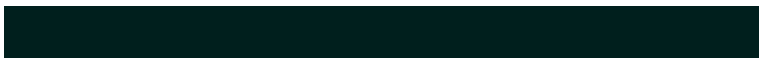
28.9489, 31.8749, 52.2056



9.7899, 10.8021, 12.1431



17.8396, 26.7261, 33.5477



0.7045, 1.0492, 1.3440



# Inverse Universe

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



31.0322, 25.5556, 22.0377



51.9449, 40.0166, 31.4452



35.1331, 34.0536, 22.4915



9.5468, 9.5430, 10.0024



14.1585, 7.2945, 0.8622

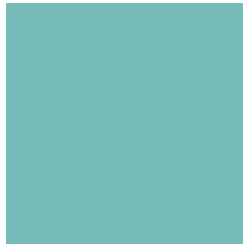


0.5605, 0.2881, 0.0649



# Previews

## White Background



This preview shows how the XYZ color 34.4859, 43.4623, 52.4704 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

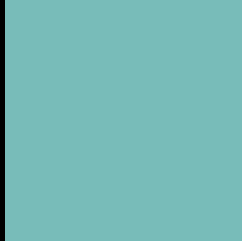
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.4859, 43.4623, 52.4704 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

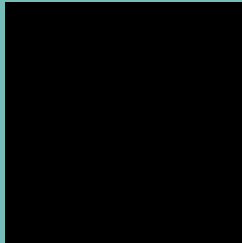
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.4859, 43.4623, 52.4704**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4859, 43.4623, 52.4704.



This preview shows how white text looks on a background with the XYZ color 34.4859, 43.4623,



# 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

34.4859, 43.4623, 52.4704

### Protanopia

41.4320, 42.9114, 47.6940

### Deuteranopia

43.8097, 42.8627, 54.1084



## Tritanopia

36.4137, 43.6199, 61.7586

# Trichromacy



## Original Color

34.4859, 43.4623, 52.4704

## Protanomaly

38.2629, 42.7036, 49.4060

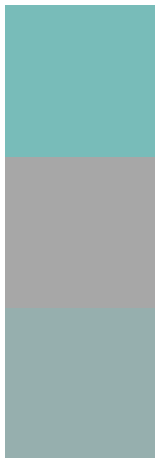
## Deuteranomaly

39.6995, 42.7565, 53.7374

## Tritanomaly

35.7890, 43.6917, 58.1768

# Monochromacy



## Original Color

34.4859, 43.4623, 52.4704

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

35.5476, 40.2000, 45.9302

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4859, 43.4623, 52.4704 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(120, 188, 185)` looks like.

```
.text, #text, p{  
    color:rgb(120, 188, 185)  
}
```

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(120, 188, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 188, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4859, 43.4623, 52.4704 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(120, 188, 185) }
```



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

```
.border{ border-color:rgb(120, 188, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 188, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 188, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 188, 185);  
box-shadow:4px 4px 4px 4px rgb(120, 188,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4859, 43.4623, 52.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 188, 185) }
```

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

```
.background{ background-color: rgb(120,  
188, 185) }
```

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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