

# Converting Colors

XYZ(31.5092, 45.2142, 52.8256)

Have a look what the booklet for  
XYZ(31.5092, 45.2142, 52.8256)  
contains.

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# Color

**XYZ(31.5496, 45.2305,  
52.9665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47C6B9
RGB	71, 198, 185
RGB Percent	28%, 78%, 73%
CMY	0.7215, 0.2235, 0.2745
CMYK	0.64, 0.00, 0.07, 0.22
HSL	174°, 53%, 53%
HSV	174°, 64%, 78%
XYZ	31.5496, 45.2305, 52.9665
YIQ	158.5450, -71.5190, -30.9670

# Conversions

## Conversions Part 2

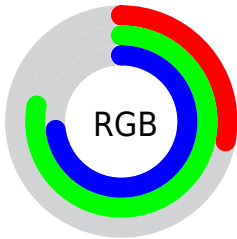
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 138, 198
Decimal	4703929
CIELab	73.04, -37.61, -3.77
CIELCh	73, 37.800, 185.724
Yxy	45.2305, 0.2432, 0.3486
Android (android.graphics.Color)	4282894009 (0xFF47C6B9)
YUV	158.5450, 13.0423, -76.7770
Hunter-Lab	67.2536, -33.9570, 0.3829

# Details

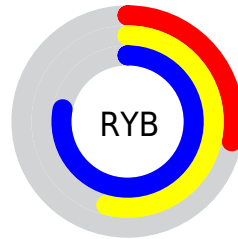
The XYZ color **31.5496, 45.2305, 52.9665** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **27.1437, 17.1537, 10.2696**, and the grayscale version is **32.7143, 34.4180, 37.4812**.

A 20% lighter version of the original color is **61.4687, 82.9392, 95.9882**, and **13.9873, 21.3109, 25.2060** is the 20% darker color. If you saturate the color by 10%, you get **30.1150, 44.5166, 51.7911**, and if you desaturate by 10%, it is **33.4629, 46.1930, 54.1822**.

# Distribution



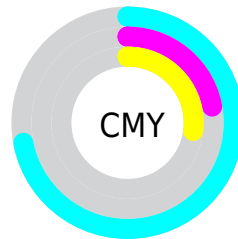
- Red (28%)
- Green (78%)
- Blue (73%)



- Red (28%)
- Yellow (54%)
- Blue (78%)



- Cyan (64%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)




- Cyan (72%)
- Magenta (22%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5496, 45.2305, 52.9665 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 31.5496, 45.2305, 52.9665 by changing the saturation by 10% instead.




 31.5496, 45.2305,  
52.9665


 31.5496, 45.2305,  
52.9665


300.8443,  
367.7063, 415.2192


 21.1716, 31.6390,  
37.3885


 61.4743, 83.0662,  
95.9961


 13.3627, 21.0859,  
25.2103


 81.7517, 108.0792,  
124.2848

 7.7575, 13.1868,  
16.0133

 106.0596,  
137.6682, 157.6475

 3.9906, 7.5573,  
9.3791

 134.7634,  
172.2175, 196.5026

 1.6968, 3.8130,  
4.8891

168.2284,  
212.1116, 241.2689

 0.4543, 1.5695,  
2.1248

206.8200,

 0.0000, 0.3369,

257.7348, 292.3647

0.6304

250.9035,  
309.4716, 350.2086

■ 0.0000, 0.0000,  
0.0000

■ 31.5496, 45.2305,  
52.9665

■ 31.5496, 45.2305,  
52.9665

■ 30.1150, 44.5166,  
51.7911

■ 33.4629, 46.1930,  
54.1822

■ 29.1072, 44.0212,  
50.6506

■ 35.8924, 47.4202,  
55.4371

■ 28.4696, 43.7163,  
49.5431

■ 38.8764, 48.9329,  
56.7340

■ 28.2038, 43.5931,  
48.9064

■ 42.4487, 50.7485,  
58.0745

■ 46.6400, 52.8828,  
59.4602

■ 51.4791, 55.3508,  
60.8925

■ 56.9929, 58.1663,  
62.3726

■ 63.2069, 61.3423,  
63.9019

■ 70.1452, 64.8913,  
65.4816

# Harmonies

## Analogous

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



32.4198, 45.2305, 35.7552



31.5496, 45.2305, 52.9665



33.4808, 45.2305, 73.6887

# Triad

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



31.5496, 45.2305, 52.9665



50.8414, 45.2305, 85.0778



48.4267, 45.2305, 22.9733

# Complementary

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



31.5496, 45.2305, 52.9665



27.1437, 17.1537, 10.2696

# 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.



54.1487, 45.2305, 30.9152



31.5496, 45.2305, 52.9665



55.6398, 45.2305, 65.7693

# Square

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



31.5496, 45.2305, 52.9665



44.2696, 45.2305, 95.0367



56.9080, 45.2305, 45.7084



41.7357, 45.2305, 21.1956



# Rectangle

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



31.5496, 45.2305, 52.9665



36.2262, 45.2305, 85.8395



56.9080, 45.2305, 45.7084



50.5479, 45.2305, 24.8893

# Sweetspot

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



31.5509, 45.2322, 52.9676



78.6281, 91.6253, 104.0165



25.1538, 42.8146, 12.9007



16.3797, 19.3825, 22.1121



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.



31.5509, 45.2322, 52.9676



52.5237, 78.4314, 90.8907



23.5907, 27.0139, 57.3987



10.8981, 12.0481, 13.4136



18.3594, 28.3561, 31.9009



0.8832, 1.3482, 1.5834



# Inverse Universe

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



27.1437, 17.1537, 10.2696



44.1883, 24.9130, 9.8295



31.1061, 25.8194, 9.3065



10.6773, 10.6543, 11.2837



15.2442, 7.8472, 1.2296

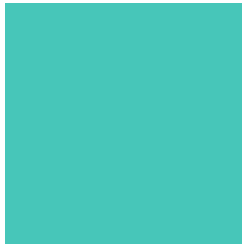


0.7372, 0.3777, 0.1390



# Previews

## White Background



This preview shows how the XYZ color 31.5496, 45.2305, 52.9665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

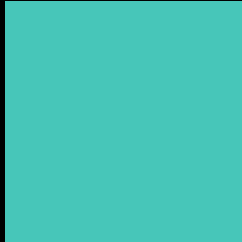
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.5496, 45.2305, 52.9665 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

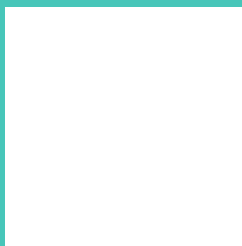
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.5496, 45.2305, 52.9665**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.5496, 45.2305, 52.9665.



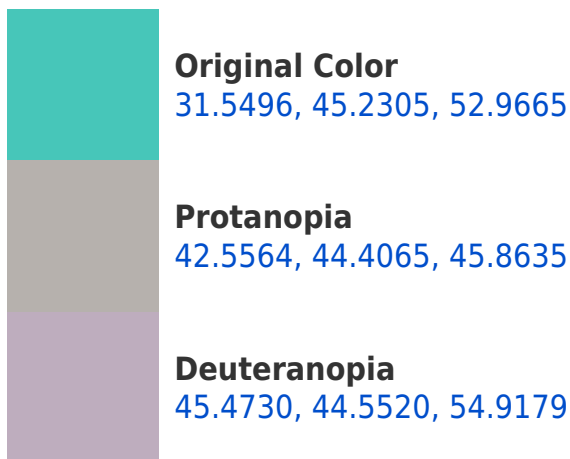
This preview shows how white text looks on a background with the XYZ color 31.5496, 45.2305,



# 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





## Tritanopia

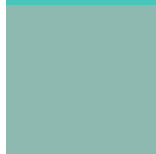
34.4043, 45.0306, 67.8512

# Trichromacy



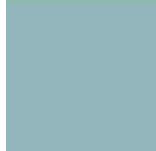
## Original Color

31.5496, 45.2305, 52.9665



## Protanomaly

36.4401, 43.6230, 48.0945



## Deuteranomaly

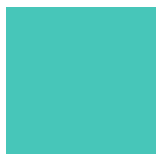
37.8377, 43.2898, 53.9385



## Tritanomaly

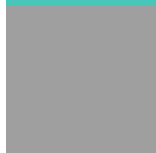
33.1996, 44.8670, 62.1687

# Monochromacy



## Original Color

31.5496, 45.2305, 52.9665



## Achromatopsia

32.9542, 34.6704, 37.7561



## Achromatomaly

30.7638, 37.2263, 42.6098

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.5496, 45.2305, 52.9665 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(71, 198, 185)` looks like.

```
.text, #text, p{  
    color:rgb(71, 198, 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(71, 198, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 198, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 31.5496, 45.2305, 52.9665 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(71, 198, 185) }
```



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

```
.border{ border-color:rgb(71, 198, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 198, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 198, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 198, 185);  
box-shadow:4px 4px 4px 4px rgb(71, 198,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.5496, 45.2305, 52.9665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 198, 185) }
```

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

```
.background{ background-color: rgb(71, 198,  
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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