

# Converting Colors

XYZ(30.4464, 44.8243, 45.5753)

Have a look what the booklet for  
XYZ(30.4464, 44.8243, 45.5753)  
contains.

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# Color

**XYZ(30.4464, 44.8243,  
45.5753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BC6AB
RGB	75, 198, 171
RGB Percent	29%, 78%, 67%
CMY	0.7059, 0.2235, 0.3294
CMYK	0.62, 0.00, 0.14, 0.22
HSL	167°, 52%, 54%
HSV	167°, 62%, 78%
XYZ	30.4464, 44.8243, 45.5753
YIQ	158.1450, -64.6410, -34.4730

# Conversions

## Conversions Part 2

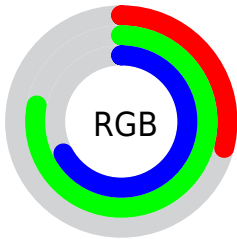
Format	Color
<b>RYB</b>	75, 144, 198
Decimal	4966059
CIELab	72.78, -40.54, 3.45
CIElCh	73, 40.690, 175.129
Yxy	44.8243, 0.2519, 0.3709
Android (android.graphics.Color)	4283156139 (0xFF4BC6AB)
YUV	158.1450, 6.3375, -72.9182
Hunter-Lab	66.9510, -35.9901, 6.5054

# Details

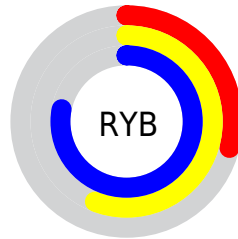
The XYZ color **30.4464, 44.8243, 45.5753** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **28.2045, 17.9984, 14.5595**, and the grayscale version is **32.5595, 34.2551, 37.3038**.

A 20% lighter version of the original color is **59.6408, 82.2452, 84.6830**, and **13.1522, 20.9768, 20.8085** is the 20% darker color. If you saturate the color by 10%, you get **28.7248, 43.9850, 43.3681**, and if you desaturate by 10%, it is **32.6660, 45.9210, 47.8789**.

# Distribution



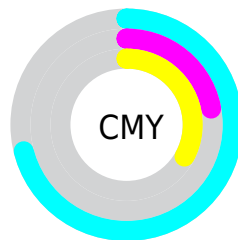
- Red (29%)
- Green (78%)
- Blue (67%)



- Red (29%)
- Yellow (56%)
- Blue (78%)



- Cyan (62%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)




- Cyan (71%)
- Magenta (22%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4464, 44.8243, 45.5753 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 30.4464, 44.8243, 45.5753 by changing the saturation by 10% instead.





 30.4464, 44.8243,  
45.5753


 30.4464, 44.8243,  
45.5753


295.8523,  
366.0615, 385.3264


 20.3274, 31.3191,  
31.5646


 59.7492, 82.4567,  
84.9106


 12.7429, 20.8419,  
20.7671


 79.6638, 107.3526,  
111.0723

 7.3275, 13.0085,  
12.7643


 103.5742,  
136.8143, 142.1213

 3.7159, 7.4344,  
7.1376

 131.8459,  
171.2260, 178.4763

 1.5427, 3.7352,  
3.4686

164.8442,  
210.9721, 220.5558

 0.3546, 1.5266,  
1.3386

202.9345,

 0.0000, 0.3073,

256.4372, 268.7783

0.0931

246.4821,  
308.0055, 323.5623

■ 0.0000, 0.0000,  
0.0000

■ 30.4464, 44.8243,  
45.5753

■ 30.4464, 44.8243,  
45.5753

■ 28.7248, 43.9850,  
43.3681

■ 32.6660, 45.9210,  
47.8789

■ 27.4508, 43.3737,  
41.2513

■ 35.4204, 47.2907,  
50.2784

■ 26.5700, 42.9637,  
39.2227

■ 38.7472, 48.9538,  
52.7772

■ 26.0723, 42.7407,  
37.6820

■ 42.6795, 50.9275,  
55.3774

■ 47.2479, 53.2275,  
58.0811

■ 52.4808, 55.8684,  
60.8902

■ 58.4049, 58.8640,  
63.8068

■ 65.0455, 62.2272,  
66.8324

■ 72.4265, 65.9705,  
69.9689

# Harmonies

## Analogous

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



32.3980, 44.8243, 29.7635



30.4464, 44.8243, 45.5753



31.4461, 44.8243, 67.2717

# Triad

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



30.4464, 44.8243, 45.5753



48.6403, 44.8243, 93.2070



50.8564, 44.8243, 23.3302

# Complementary

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



30.4464, 44.8243, 45.5753



28.2045, 17.9984, 14.5595

# 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.



56.1313, 44.8243, 34.0724



30.4464, 44.8243, 45.5753



54.7559, 44.8243, 74.6130

# Square

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



30.4464, 44.8243, 45.5753



41.4606, 44.8243, 98.7686



57.6314, 44.8243, 52.1860



43.7685, 44.8243, 19.3889



# Rectangle

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



30.4464, 44.8243, 45.5753



33.7170, 44.8243, 81.9146



57.6314, 44.8243, 52.1860



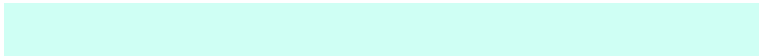
52.9300, 44.8243, 26.0916

# Sweetspot

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



30.4477, 44.8261, 45.5763



77.7510, 91.2744, 99.3977



27.1396, 43.8231, 13.6857



16.1650, 19.2966, 20.9818



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.



30.4477, 44.8261, 45.5763



49.8703, 77.4065, 75.2733



26.5873, 32.5572, 58.3110



10.8432, 12.0262, 13.1244



16.9878, 27.8075, 24.6783



0.8298, 1.3269, 1.3024



# Inverse Universe

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



28.2045, 17.9984, 14.5595



45.6471, 25.9338, 16.1634



29.9017, 23.1981, 9.5591



10.7276, 10.6744, 11.5489



15.4610, 7.9340, 2.3718

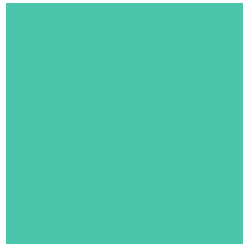


0.7601, 0.3869, 0.2597



# Previews

## White Background



This preview shows how the XYZ color 30.4464, 44.8243, 45.5753 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 30.4464, 44.8243, 45.5753 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

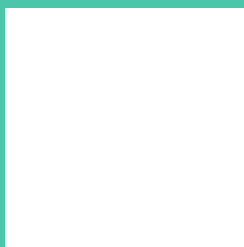
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.4464, 44.8243, 45.5753**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.4464, 44.8243, 45.5753.



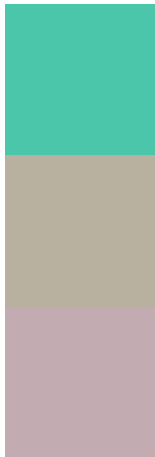
This preview shows how white text looks on a background with the XYZ color 30.4464, 44.8243,

45.5753.

# 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

30.4464, 44.8243, 45.5753

### Protanopia

42.0749, 44.2966, 39.5902

### Deuteranopia

44.9365, 44.1487, 47.7481



## Tritanopia

34.6716, 44.8677, 66.5074

# Trichromacy



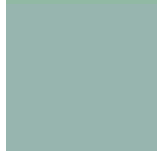
## Original Color

30.4464, 44.8243, 45.5753



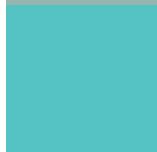
## Protanomaly

35.7269, 43.3980, 41.6156



## Deuteranomaly

37.0242, 42.7222, 46.8523



## Tritanomaly

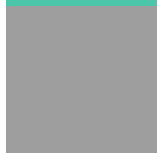
33.1117, 44.9016, 58.5515

# Monochromacy



## Original Color

30.4464, 44.8243, 45.5753



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

30.4565, 37.1207, 40.2101

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.4464, 44.8243, 45.5753 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(75, 198, 171)` looks like.

```
.text, #text, p{  
    color:rgb(75, 198, 171)  
}
```

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(75, 198, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 198, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 30.4464, 44.8243, 45.5753 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(75, 198, 171) }
```



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

```
.border{ border-color:rgb(75, 198, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 198, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 198, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 198, 171);  
box-shadow:4px 4px 4px 4px rgb(75, 198,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.4464, 44.8243, 45.5753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 198, 171) }
```

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

```
.background{ background-color: rgb(75, 198,  
171) }
```

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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