

# Converting Colors

XYZ(32.2148, 46.3359, 46.4959)

Have a look what the booklet for  
XYZ(32.2148, 46.3359, 46.4959)  
contains.

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# Color

**XYZ(32.2205, 46.4110,  
46.2897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59C8AC
RGB	89, 200, 172
RGB Percent	35%, 78%, 67%
CMY	0.6510, 0.2157, 0.3255
CMYK	0.55, 0.00, 0.14, 0.22
HSL	165°, 50%, 57%
HSV	165°, 55%, 78%
XYZ	32.2205, 46.4110, 46.2897
YIQ	163.6190, -57.1680, -32.2400

# Conversions

## Conversions Part 2

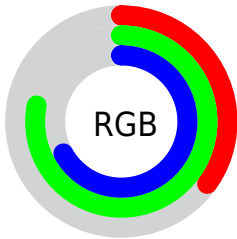
Format	Color
<b>RYB</b>	89, 153, 200
Decimal	5884076
CIELab	73.81, -38.49, 4.46
CIELCh	74, 38.744, 173.386
Yxy	46.4110, 0.2579, 0.3715
Android (android.graphics.Color)	4284074156 (0xFF59C8AC)
YUV	163.6190, 4.1318, -65.4409
Hunter-Lab	68.1256, -34.7970, 7.4018

# Details

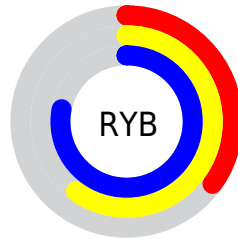
The XYZ color **32.2205, 46.4110, 46.2897** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **30.6043, 20.7097, 19.2157**, and the grayscale version is **35.1072, 36.9355, 40.2228**.

A 20% lighter version of the original color is **61.6577, 83.2691, 85.4959**, and **13.7126, 21.7084, 21.2367** is the 20% darker color. If you saturate the color by 10%, you get **30.0806, 45.3639, 43.7086**, and if you desaturate by 10%, it is **34.9028, 47.7379, 48.9943**.

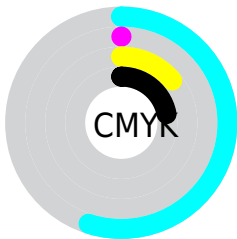
# Distribution



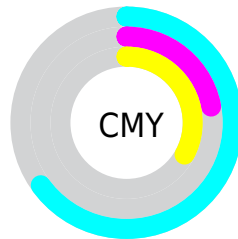
- Red (35%)
- Green (78%)
- Blue (67%)



- Red (35%)
- Yellow (60%)
- Blue (78%)



- Cyan (55%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)




- Cyan (65%)
- Magenta (22%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2205, 46.4110, 46.2897 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 32.2205, 46.4110, 46.2897 by changing the saturation by 10% instead.




 32.2205, 46.4110,  
46.2897


 32.2205, 46.4110,  
46.2897


303.8499,  
372.4585, 388.2835


 21.6863, 32.5703,  
32.1242


 62.5195, 84.8338,  
85.9912


 13.7419, 21.7975,  
21.1908


 83.0150, 110.1846,  
112.3643

 8.0219, 13.7081,  
13.0709


 107.5617,  
140.1409, 143.6437

 4.1609, 7.9180,  
7.3461

 136.5249,  
175.0871, 180.2479

 1.7935, 4.0425,  
3.5978

170.2699,  
215.4075, 222.5954

 0.5138, 1.6974,  
1.4074

209.1622,

 0.0000, 0.4219,

261.4867, 271.1048

0.1475

253.5671,  
313.7089, 326.1947

■ 0.0000, 0.0000,  
0.0000

■ 32.2205, 46.4110,  
46.2897

■ 32.2205, 46.4110,  
46.2897

■ 30.0806, 45.3639,  
43.7086

■ 34.9028, 47.7379,  
48.9943

■ 28.4355, 44.5687,  
41.2446

■ 38.1621, 49.3589,  
51.8220

■ 27.2361, 44.0011,  
38.8955

■ 42.0348, 51.2940,  
54.7765

■ 26.4205, 43.6294,  
36.6571

■ 46.5531, 53.5597,  
57.8603

■ 26.1238, 43.4977,  
35.6829

■ 51.7470, 56.1714,  
61.0758

■ 57.6444, 59.1436,  
64.4254

■ 64.2718, 62.4899,  
67.9111

■ 71.6542, 66.2231,  
71.5351

■ 74.4730, 67.6014,  
75.0495

# Harmonies

## Analogous

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



34.3124, 46.4110, 31.1189



32.2205, 46.4110, 46.2897



33.0383, 46.4110, 67.1345

# Triad

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



32.2205, 46.4110, 46.2897



49.5810, 46.4110, 93.9562



52.4924, 46.4110, 25.7925

# Complementary

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



32.2205, 46.4110, 46.2897



30.6043, 20.7097, 19.2157

# 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.



57.4196, 46.4110, 36.9234



32.2205, 46.4110, 46.2897



55.6202, 46.4110, 76.7003

# Square

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



32.2205, 46.4110, 46.2897



42.6044, 46.4110, 98.3531



58.6199, 46.4110, 55.0295



45.6553, 46.4110, 21.4437



# Rectangle

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



32.2205, 46.4110, 46.2897



35.1701, 46.4110, 81.3239



58.6199, 46.4110, 55.0295



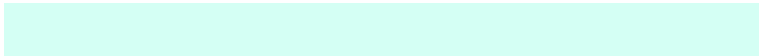
54.4546, 46.4110, 28.6997

# Sweetspot

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



32.2218, 46.4128, 46.2908



79.1494, 92.0006, 99.2252



30.0119, 45.9255, 16.7347



16.5889, 19.5151, 21.0032



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.



32.2218, 46.4128, 46.2908



51.3006, 78.1601, 74.6035



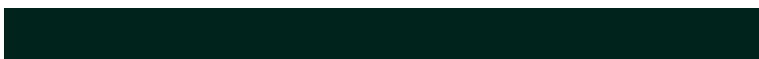
29.7020, 36.6065, 60.1460



10.8280, 12.0201, 13.0443



16.6474, 27.6713, 22.8856



0.8161, 1.3214, 1.2305



# Inverse Universe

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



30.6043, 20.7097, 19.2157



48.2691, 29.1628, 23.2493



31.7434, 25.2407, 12.6509



10.7418, 10.6801, 11.6237



15.5485, 7.9689, 2.8321

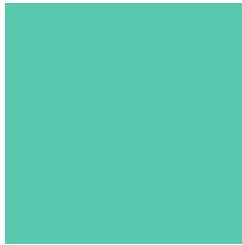


0.7665, 0.3894, 0.2934



# Previews

## White Background



This preview shows how the XYZ color 32.2205, 46.4110, 46.2897 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 32.2205, 46.4110, 46.2897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

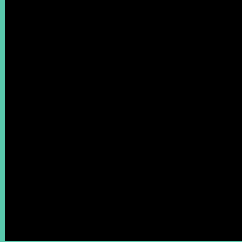
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 32.2205, 46.4110, 46.2897**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.2205, 46.4110, 46.2897.



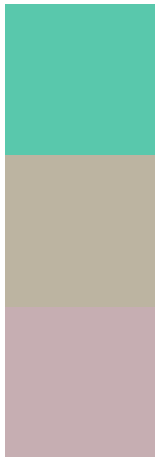
This preview shows how white text looks on a background with the XYZ color 32.2205, 46.4110,



# 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

32.2205, 46.4110, 46.2897

### Protanopia

43.4933, 45.9071, 40.2868

### Deuteranopia

46.4606, 45.4922, 48.4516



## Tritanopia

36.6275, 46.5081, 68.0193

# Trichromacy



## Original Color

32.2205, 46.4110, 46.2897



## Protanomaly

37.5107, 44.9327, 42.2932



## Deuteranomaly

38.8705, 44.2707, 47.5707



## Tritanomaly

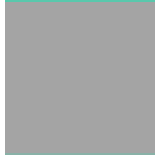
34.8598, 46.4594, 59.3548

# Monochromacy



## Original Color

32.2205, 46.4110, 46.2897



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

33.0137, 39.5527, 42.4536

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.2205, 46.4110, 46.2897 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, 200, 172)` looks like.

```
.text, #text, p{  
    color:rgb(89, 200, 172)  
}
```

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, 200, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 200, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 32.2205, 46.4110, 46.2897 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, 200, 172) }
```



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

```
.border{ border-color:rgb(89, 200, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 200, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 200, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 200, 172);  
box-shadow:4px 4px 4px 4px rgb(89, 200,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.2205, 46.4110, 46.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 200, 172) }
```

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

```
.background{ background-color: rgb(89, 200,  
172) }
```

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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