

Converting Colors

XYZ(30.3267, 45.8824, 41.6868)

Have a look what the booklet for
XYZ(30.3267, 45.8824, 41.6868)
contains.

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Color

**XYZ(30.3992, 45.9135,
41.9103)**

Conversions

Conversions Part 1

Format	Color
Hex	4BC9A3
RGB	75, 201, 163
RGB Percent	29%, 79%, 64%
CMY	0.7059, 0.2118, 0.3608
CMYK	0.63, 0.00, 0.19, 0.21
HSL	162°, 54%, 54%
HSV	162°, 63%, 79%
XYZ	30.3992, 45.9135, 41.9103
YIQ	158.9940, -62.8980, -38.5300

Conversions

Conversions Part 2

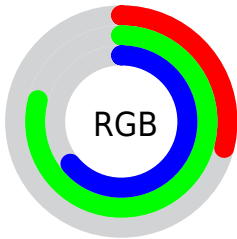
Format	Color
RYB	75, 149, 201
Decimal	4966819
CIELab	73.49, -43.79, 8.81
CIELCh	73, 44.671, 168.629
Yxy	45.9135, 0.2571, 0.3884
Android (android.graphics.Color)	4283156899 (0xFF4BC9A3)
YUV	158.9940, 1.9750, -73.6627
Hunter-Lab	67.7595, -38.4980, 10.7599

Details

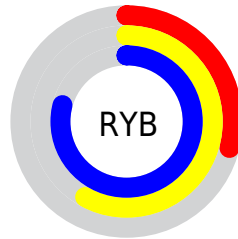
The XYZ color **30.3992, 45.9135, 41.9103** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.5857, 18.6432, 17.6639**, and the grayscale version is **32.9650, 34.6818, 37.7685**.

A 20% lighter version of the original color is **58.5682, 81.8162, 79.0349**, and **13.1481, 21.7055, 18.5355** is the 20% darker color. If you saturate the color by 10%, you get **28.5384, 45.0166, 39.0561**, and if you desaturate by 10%, it is **32.7851, 47.0804, 44.9271**.

Distribution



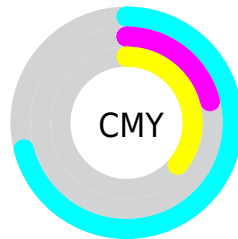
- Red (29%)
- Green (79%)
- Blue (64%)



- Red (29%)
- Yellow (58%)
- Blue (79%)



- Cyan (63%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (71%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3992, 45.9135, 41.9103 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 30.3992, 45.9135, 41.9103 by changing the saturation by 10% instead.


 30.3992, 45.9135,
41.9103


 30.3992, 45.9135,
41.9103


295.6374,
370.4608, 369.8996


 20.2914, 32.1776,
28.7060


 59.6752, 84.0895,
79.3325


 12.7165, 21.4972,
18.6149


 79.5741, 109.2984,
104.3874

 7.3093, 13.4879,
11.2183

 103.4674,
139.1004, 134.2297

 3.7043, 7.7654,
6.0979

 131.7205,
173.8799, 169.2778

 1.5362, 3.9452,
2.8349

164.6986,
214.0213, 209.9504

 0.3503, 1.6429,
1.0110

202.7673,

 0.0000, 0.3863,

259.9090, 256.6658

0.0000

246.2917,
311.9273, 309.8427

■ 0.0000, 0.0000,
0.0000

■ 30.3992, 45.9135,
41.9103

■ 30.3992, 45.9135,
41.9103

■ 28.5384, 45.0166,
39.0561

■ 32.7851, 47.0804,
44.9271

■ 27.1499, 44.3591,
36.3570

■ 35.7350, 48.5338,
48.1071

■ 26.1762, 43.9126,
33.8095

■ 39.2883, 50.2951,
51.4549

■ 25.6491, 43.6795,
32.0372

■ 43.4797, 52.3823,
54.9739

■ 48.3412, 54.8118,
58.6675

■ 53.9028, 57.5990,
62.5386

■ 60.1923, 60.7582,
66.5903

■ 67.2364, 64.3031,
70.8255

■ 74.7252, 68.0740,
75.2313

Harmonies

Analogous

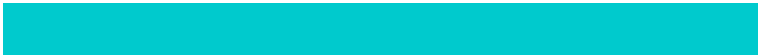
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.2217, 45.9135, 26.4347



30.3992, 45.9135, 41.9103



30.7912, 45.9135, 65.1848

Triad

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



30.3992, 45.9135, 41.9103



48.6639, 45.9135, 103.4596



54.4467, 45.9135, 23.9737

Complementary

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



30.3992, 45.9135, 41.9103



29.5857, 18.6432, 17.6639

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.



59.6409, 45.9135, 37.3648



30.3992, 45.9135, 41.9103



56.0348, 45.9135, 84.5326

Square

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



30.3992, 45.9135, 41.9103



40.7179, 45.9135, 105.7872



60.2548, 45.9135, 59.0511



46.6975, 45.9135, 18.3625

Rectangle

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



30.3992, 45.9135, 41.9103



32.8344, 45.9135, 82.2934



60.2548, 45.9135, 59.0511



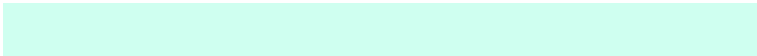
56.5876, 45.9135, 27.4893

Sweetspot

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



30.4005, 45.9153, 41.9114



77.1524, 91.0350, 96.2452



29.2153, 45.9213, 13.9814



16.0191, 19.2383, 20.2135



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.



30.4005, 45.9153, 41.9114



47.9727, 76.6474, 65.2806



29.3463, 37.5157, 60.9550



10.8052, 12.0110, 12.9243



16.1687, 27.4799, 20.3650



0.7966, 1.3136, 1.1275

Inverse Universe

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



29.5857, 18.6432, 17.6639



46.5371, 26.2898, 20.8500



29.7359, 21.6810, 9.2751



10.7633, 10.6887, 11.7371



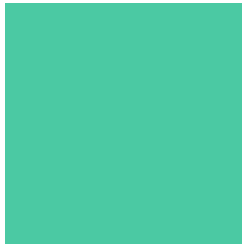
15.7043, 8.0313, 3.6528



0.7762, 0.3933, 0.3446

Previews

White Background



This preview shows how the XYZ color 30.3992, 45.9135, 41.9103 looks on a white background.

Color Contrast Check

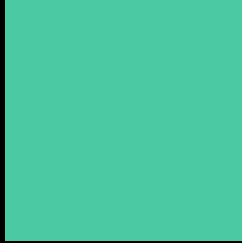
Large Text (above 18pt) WCAG AA × Fail

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 30.3992, 45.9135, 41.9103 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

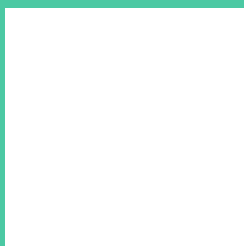
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3992, 45.9135, 41.9103

Background



This preview shows how black text looks on a background with the XYZ color 30.3992, 45.9135, 41.9103.



This preview shows how white text looks on a background with the XYZ color 30.3992, 45.9135,

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

30.3992, 45.9135, 41.9103

Protanopia

42.7739, 45.3260, 36.2001

Deuteranopia

45.9244, 45.0311, 43.8075



Tritanopia

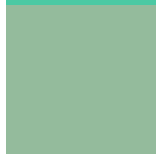
35.6622, 46.0105, 67.9741

Trichromacy



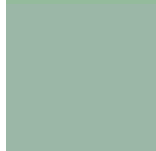
Original Color

30.3992, 45.9135, 41.9103



Protanomaly

35.9838, 44.2368, 38.0945



Deuteranomaly

37.4261, 43.6256, 43.0072



Tritanomaly

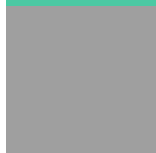
33.4296, 45.7612, 57.5229

Monochromacy



Original Color

30.3992, 45.9135, 41.9103



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.3833, 37.3994, 38.8751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3992, 45.9135, 41.9103 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, 201, 163)` looks like.

```
.text, #text, p{  
    color:rgb(75, 201, 163)  
}
```

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, 201, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 201, 163) }
```

Border

The CSS property to change the border of an element to XYZ 30.3992, 45.9135, 41.9103 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, 201, 163) }
```


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

```
.border{ border-color:rgb(75, 201, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 201, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 201, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 201, 163);  
box-shadow:4px 4px 4px 4px rgb(75, 201,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3992, 45.9135, 41.9103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 201, 163) }
```

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

```
.background{ background-color: rgb(75, 201,  
163) }
```

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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