

Converting Colors

XYZ(30.3236, 45.8829, 41.6658)

Have a look what the booklet for
XYZ(30.3236, 45.8829, 41.6658)
contains.

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Color

**XYZ(30.3099, 45.8778,
41.4402)**

Conversions

Conversions Part 1

Format	Color
Hex	4BC9A2
RGB	75, 201, 162
RGB Percent	29%, 79%, 64%
CMY	0.7059, 0.2118, 0.3647
CMYK	0.63, 0.00, 0.19, 0.21
HSL	161°, 54%, 54%
HSV	161°, 63%, 79%
XYZ	30.3099, 45.8778, 41.4402
YIQ	158.8800, -62.5770, -38.8410

Conversions

Conversions Part 2

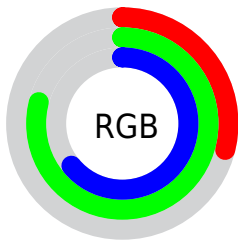
Format	Color
RYB	75, 150, 201
Decimal	4966818
CIELab	73.47, -44.03, 9.31
CIElCh	73, 45.004, 168.056
Yxy	45.8778, 0.2577, 0.3900
Android (android.graphics.Color)	4283156898 (0xFF4BC9A2)
YUV	158.8800, 1.5382, -73.5628
Hunter-Lab	67.7332, -38.6561, 11.1387

Details

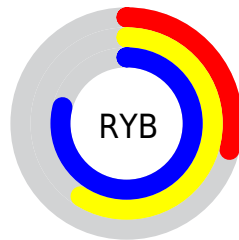
The XYZ color **30.3099, 45.8778, 41.4402** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.6423, 18.6658, 17.9619**, and the grayscale version is **32.9147, 34.6288, 37.7108**.

A 20% lighter version of the original color is **58.4377, 81.7640, 78.3477**, and **13.0934, 21.6836, 18.2471** is the 20% darker color. If you saturate the color by 10%, you get **28.4398, 44.9773, 38.5373**, and if you desaturate by 10%, it is **32.7064, 47.0489, 44.5126**.

Distribution



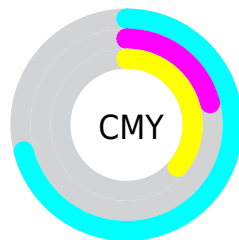
- Red (29%)
- Green (79%)
- Blue (64%)



- Red (29%)
- Yellow (59%)
- 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 30.3099, 45.8778, 41.4402 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 30.3099, 45.8778, 41.4402 by changing the saturation by 10% instead.

 30.3099, 45.8778,
41.4402


 30.3099, 45.8778,
41.4402


295.2303,
370.3171, 367.8881


 20.2232, 32.1494,
28.3409


 59.5352, 84.0361,
78.6126


 12.6666, 21.4756,
18.3415


 79.4045, 109.2348,
103.5228

 7.2748, 13.4721,
11.0235


 103.2653,
139.0257, 133.2071

 3.6824, 7.7544,
5.9683

 131.4830,
173.7932, 168.0839

 1.5241, 3.9382,
2.7573

164.4231,
213.9217, 208.5719

 0.3421, 1.6391,
0.9721

202.4507,

 0.0000, 0.3837,

259.7956, 255.0895

0.0000

245.9313,
311.7993, 308.0554

■ 0.0000, 0.0000,
0.0000

■ 30.3099, 45.8778,
41.4402

■ 30.3099, 45.8778,
41.4402

■ 28.4398, 44.9773,
38.5373

■ 32.7064, 47.0489,
44.5126

■ 27.0434, 44.3166,
35.7965

■ 35.6681, 48.5070,
47.7553

■ 26.0631, 43.8673,
33.2138

■ 39.2347, 50.2737,
51.1732

■ 25.5319, 43.6327,
31.4200

■ 43.4408, 52.3668,
54.7697

■ 48.3185, 54.8027,
58.5483

■ 53.8976, 57.5969,
62.5123

■ 60.2063, 60.7638,
66.6647

■ 67.2710, 64.3169,
71.0085

■ 74.7821, 68.0968,
75.5311

Harmonies

Analogous

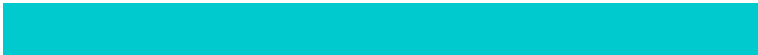
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.2074, 45.8778, 26.0578



30.3099, 45.8778, 41.4402



30.6417, 45.8778, 64.7673

Triad

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



30.3099, 45.8778, 41.4402



48.5106, 45.8778, 104.1187



54.6262, 45.8778, 23.9792

Complementary

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



30.3099, 45.8778, 41.4402



29.6423, 18.6658, 17.9619

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.



59.7901, 45.8778, 37.5899



30.3099, 45.8778, 41.4402



55.9749, 45.8778, 85.2462

Square

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



30.3099, 45.8778, 41.4402



40.5218, 45.8778, 106.1002



60.3117, 45.8778, 59.5587



46.8418, 45.8778, 18.2256

Rectangle

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



30.3099, 45.8778, 41.4402



32.6554, 45.8778, 82.0428



60.3117, 45.8778, 59.5587



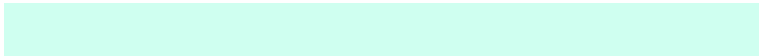
56.7648, 45.8778, 27.5579

Sweetspot

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



30.3112, 45.8796, 41.4413



77.0952, 91.0121, 95.9440



29.2152, 45.9213, 13.9813



16.0052, 19.2327, 20.1403



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.



30.3112, 45.8796, 41.4413



47.7992, 76.5781, 64.3673



29.3462, 37.5157, 60.9550



10.8015, 12.0095, 12.9050



16.0956, 27.4506, 19.9796



0.7935, 1.3124, 1.1115

Inverse Universe

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



29.6423, 18.6658, 17.9619



46.6313, 26.3275, 21.3463



29.7359, 21.6809, 9.2750



10.7668, 10.6901, 11.7554



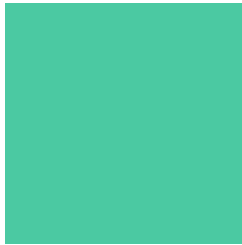
15.7322, 8.0424, 3.7996



0.7778, 0.3940, 0.3532

Previews

White Background



This preview shows how the XYZ color 30.3099, 45.8778, 41.4402 looks on a white background.

Color Contrast Check

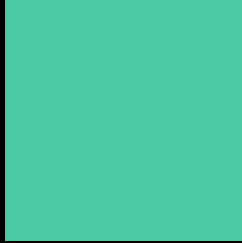
Large Text (above 18pt) WCAG AA × Fail

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 30.3099, 45.8778, 41.4402 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

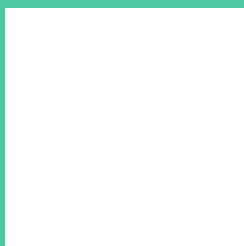
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3099, 45.8778, 41.4402

Background



This preview shows how black text looks on a background with the XYZ color 30.3099, 45.8778, 41.4402.

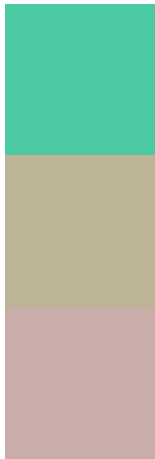


This preview shows how white text looks on a background with the XYZ color 30.3099, 45.8778,

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

30.3099, 45.8778, 41.4402

Protanopia

42.6923, 45.2934, 35.7705

Deuteranopia

45.8309, 44.9937, 43.3149



Tritanopia

35.4388, 45.5639, 67.8997

Trichromacy



Original Color

30.3099, 45.8778, 41.4402



Protanomaly

35.8995, 44.2031, 37.6503



Deuteranomaly

37.3340, 43.5887, 42.5221



Tritanomaly

33.4296, 45.7612, 57.5229

Monochromacy



Original Color

30.3099, 45.8778, 41.4402



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 30.3099, 45.8778, 41.4402 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(75, 201, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 201, 162) }
```

Border

The CSS property to change the border of an element to XYZ 30.3099, 45.8778, 41.4402 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, 162) }
```


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

```
.border{ border-color:rgb(75, 201, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 201, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 201, 162);  
box-shadow:4px 4px 4px 4px rgb(75, 201,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3099, 45.8778, 41.4402 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, 162) }
```

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

```
.background{ background-color: rgb(75, 201,  
162) }
```

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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