

Converting Colors

XYZ(31.2310, 45.7601, 46.8068)

Have a look what the booklet for
XYZ(31.2310, 45.7601, 46.8068)
contains.

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Color

**XYZ(31.3390, 45.9454,
46.7518)**

Conversions

Conversions Part 1

Format	Color
Hex	4EC8AD
RGB	78, 200, 173
RGB Percent	31%, 78%, 68%
CMY	0.6941, 0.2157, 0.3216
CMYK	0.61, 0.00, 0.14, 0.22
HSL	167°, 53%, 55%
HSV	167°, 61%, 78%
XYZ	31.3390, 45.9454, 46.7518
YIQ	160.4440, -64.0450, -34.2610

Conversions

Conversions Part 2

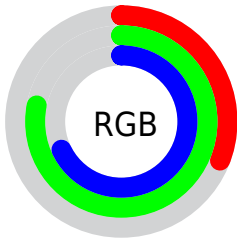
Format	Color
RYB	78, 147, 200
Decimal	5163181
CIELab	73.51, -40.40, 3.44
CIElCh	74, 40.542, 175.127
Yxy	45.9454, 0.2527, 0.3704
Android (android.graphics.Color)	4283353261 (0xFF4EC8AD)
YUV	160.4440, 6.1901, -72.3034
Hunter-Lab	67.7830, -36.0921, 6.5542

Details

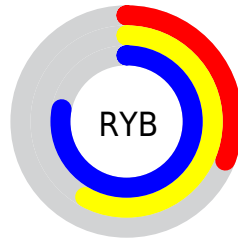
The XYZ color **31.3390, 45.9454, 46.7518** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.0952, 18.7493, 15.4518**, and the grayscale version is **33.6133, 35.3638, 38.5112**.

A 20% lighter version of the original color is **60.2448, 82.5247, 86.1524**, and **13.5766, 21.6313, 21.5489** is the 20% darker color. If you saturate the color by 10%, you get **29.5218, 45.0584, 44.4684**, and if you desaturate by 10%, it is **33.6712, 47.0985, 49.1354**.

Distribution



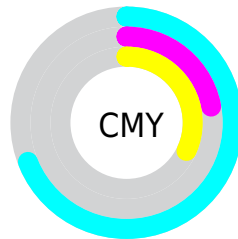
- Red (31%)
- Green (78%)
- Blue (68%)



- Red (31%)
- Yellow (58%)
- Blue (78%)



- Cyan (61%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)



- Cyan (69%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3390, 45.9454, 46.7518 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 31.3390, 45.9454, 46.7518 by changing the saturation by 10% instead.

■ 31.3390, 45.9454,
46.7518

■ 31.3390, 45.9454,
46.7518

299.8961,
370.5891, 390.1880

■ 21.0102, 32.2027,
32.4865

■ 61.1456, 84.1373,
86.6891

■ 13.2440, 21.5164,
21.4655

■ 81.3542, 109.3553,
113.1983

■ 7.6749, 13.5020,
13.2701

■ 105.5867,
139.1672, 144.6258

■ 3.9377, 7.7751,
7.4819

■ 134.2085,
173.9574, 181.3902

■ 1.6669, 3.9514,
3.6823

167.5850,
214.1103, 223.9101

■ 0.4354, 1.6464,
1.4527

206.0815,

■ 0.0000, 0.3886,

260.0103, 272.6040

0.1823

250.0635,
312.0418, 327.8905

■ 0.0000, 0.0000,
0.0000

■ 31.3390, 45.9454,
46.7518

■ 31.3390, 45.9454,
46.7518

■ 29.5218, 45.0584,
44.4684

■ 33.6712, 47.0985,
49.1354

■ 28.1688, 44.4080,
42.2792

■ 36.5555, 48.5334,
51.6186

■ 27.2254, 43.9671,
40.1818

■ 40.0301, 50.2710,
54.2049

■ 26.6336, 43.7015,
38.3674

■ 44.1286, 52.3286,
56.8966

■ 48.8822, 54.7221,
59.6957

■ 54.3196, 57.4664,
62.6044

■ 60.4682, 60.5757,
65.6245

■ 67.3537, 64.0630,
68.7578

■ 73.8852, 67.3662,
71.9540

Harmonies

Analogous

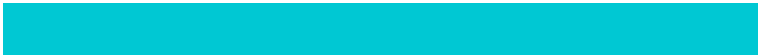
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.3211, 45.9454, 30.7008



31.3390, 45.9454, 46.7518



32.3541, 45.9454, 68.7052

Triad

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



31.3390, 45.9454, 46.7518



49.7801, 45.9454, 94.8849



52.0232, 45.9454, 24.1511

Complementary

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



31.3390, 45.9454, 46.7518



29.0952, 18.7493, 15.4518

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.



57.3569, 45.9454, 35.0833



31.3390, 45.9454, 46.7518



55.9657, 45.9454, 76.1244

Square

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



31.3390, 45.9454, 46.7518



42.5107, 45.9454, 100.4903



58.8728, 45.9454, 53.4511



44.8496, 45.9454, 20.1284

Rectangle

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



31.3390, 45.9454, 46.7518



34.6592, 45.9454, 83.4915



58.8728, 45.9454, 53.4511



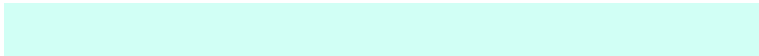
54.1204, 45.9454, 26.9652

Sweetspot

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



31.3403, 45.9472, 46.7529



78.5400, 91.6728, 99.8141



28.0304, 44.9533, 14.4081



16.3181, 19.3739, 21.0626



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.



31.3403, 45.9472, 46.7529



50.3157, 77.6245, 75.8155



27.4730, 33.6003, 59.6832



10.8423, 12.0258, 13.1200



16.9687, 27.7998, 24.5773



0.8290, 1.3265, 1.2984

Inverse Universe

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



29.0952, 18.7493, 15.4518



46.1761, 26.6247, 17.4715



30.8297, 24.0982, 10.2351



10.7284, 10.6747, 11.5530



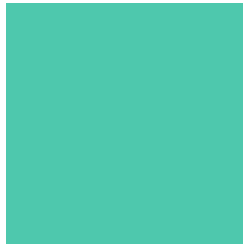
15.4655, 7.9358, 2.3954



0.7604, 0.3870, 0.2615

Previews

White Background



This preview shows how the XYZ color 31.3390, 45.9454, 46.7518 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 31.3390, 45.9454, 46.7518 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

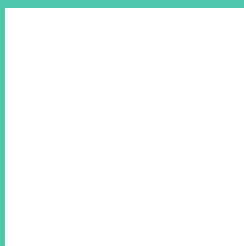
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3390, 45.9454, 46.7518

Background



This preview shows how black text looks on a background with the XYZ color 31.3390, 45.9454, 46.7518.



This preview shows how white text looks on a background with the XYZ color 31.3390, 45.9454,

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

31.3390, 45.9454, 46.7518

Protanopia

43.1352, 45.4136, 40.6747

Deuteranopia

46.2987, 45.3971, 48.9701



Tritanopia

35.6622, 46.0105, 67.9741

Trichromacy



Original Color

31.3390, 45.9454, 46.7518

Protanomaly

36.6859, 44.4969, 42.7316

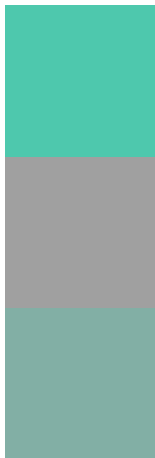
Deuteranomaly

38.1957, 43.9113, 48.0576

Tritanomaly

34.0688, 46.0384, 59.9140

Monochromacy



Original Color

31.3390, 45.9454, 46.7518

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.3274, 38.1224, 41.3045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3390, 45.9454, 46.7518 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(78, 200, 173)` looks like.

```
.text, #text, p{  
    color:rgb(78, 200, 173)  
}
```

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(78, 200, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 200, 173) }
```

Border

The CSS property to change the border of an element to XYZ 31.3390, 45.9454, 46.7518 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(78, 200, 173) }
```


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

```
.border{ border-color:rgb(78, 200, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 200, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 200, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 200, 173);  
box-shadow:4px 4px 4px 4px rgb(78, 200,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3390, 45.9454, 46.7518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 200, 173) }
```

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

```
.background{ background-color: rgb(78, 200,  
173) }
```

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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