

Converting Colors

XYZ(30.0454, 47.5445, 48.6940)

Have a look what the booklet for
XYZ(30.0454, 47.5445, 48.6940)
contains.

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Color

**XYZ(30.1493, 47.7602,
48.7039)**

Conversions

Conversions Part 1

Format	Color
Hex	00CFB0
RGB	0, 207, 176
RGB Percent	0%, 81%, 69%
CMY	0.9999, 0.1882, 0.3098
CMYK	1.00, 0.00, 0.15, 0.19
HSL	171°, 100%, 41%
HSV	171°, 100%, 81%
XYZ	30.1493, 47.7602, 48.7039
YIQ	141.5730, -113.4210, -53.5250

Conversions

Conversions Part 2

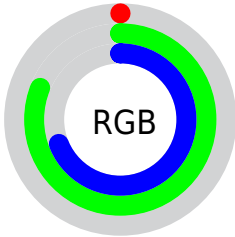
Format	Color
RYB	0, 112, 207
Decimal	53168
CIELab	74.67, -49.84, 3.38
CIELCh	75, 49.952, 176.122
Yxy	47.7602, 0.2381, 0.3772
Android (android.graphics.Color)	4278243248 (0xFF00CFB0)
YUV	141.5730, 16.9725, -124.1595
Hunter-Lab	69.1088, -43.0681, 6.5919

Details

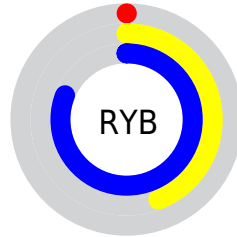
The XYZ color **30.1493, 47.7602, 48.7039** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.9812, 13.3657, 2.5094**, and the grayscale version is **25.5146, 26.8433, 29.2324**.

A 20% lighter version of the original color is **56.0344, 80.2893, 88.8880**, and **14.8663, 23.9117, 22.9007** is the 20% darker color. If you saturate the color by 10%, you get **30.1497, 47.7616, 48.7022**, and if you desaturate by 10%, it is **30.7643, 48.0425, 50.3538**.

Distribution



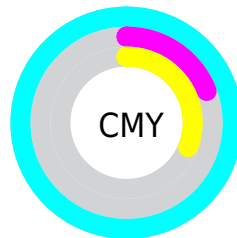
- Red (0%)
- Green (81%)
- Blue (69%)



- Red (0%)
- Yellow (44%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1493, 47.7602, 48.7039 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 30.1493, 47.7602, 48.7039 by changing the saturation by 10% instead.


 30.1493, 47.7602,
48.7039


 30.1493, 47.7602,
48.7039


294.4971,
377.8408, 398.1644


 20.1006, 33.6370,
34.0207


 59.2832, 86.8473,
89.6280


 12.5769, 22.6149,
22.6320


 79.0991, 112.5799,
116.7059


 7.2128, 14.3094,
14.1193


 102.9015,
142.9512, 148.7525

 3.6431, 8.3362,
8.0640

 131.0556,
178.3455, 186.1863

 1.5022, 4.3108,
4.0476

 163.9269,
219.1473, 229.4259

 0.3274, 1.8489,
1.6515

201.8806,

 0.0000, 0.5174,

265.7408, 278.8897

0.3272

245.2823,
318.5105, 334.9964

■ 0.0000, 0.0000,
0.0000

■ 30.1493, 47.7602,
48.7039

■ 30.1493, 47.7602,
48.7039

■ 30.1497, 47.7616,
48.7022

■ 30.7643, 48.0425,
50.3538

■ 31.7100, 48.4934,
52.0549

■ 33.0978, 49.1713,
53.8138

■ 34.9872, 50.1070,
55.6334

■ 37.4286, 51.3264,
57.5164

■ 40.4659, 52.8523,
59.4651

■ 44.1388, 54.7049,
61.4814

■ 48.4836, 56.9030,
63.5674

■ 53.5336, 59.4639,
65.7249

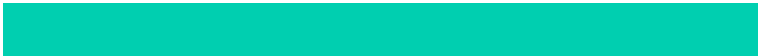
Harmonies

Analogous

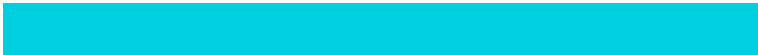
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.4232, 47.7602, 28.8715



30.1493, 47.7602, 48.7039



31.4918, 47.7602, 77.1825

Triad

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



30.1493, 47.7602, 48.7039



53.4974, 47.7602, 110.8268



55.8045, 47.7602, 20.6253

Complementary

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



30.1493, 47.7602, 48.7039



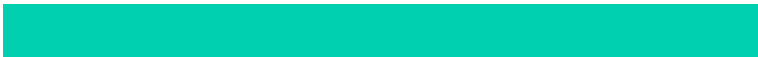
25.9812, 13.3657, 2.5094

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.



62.8842, 47.7602, 32.9981



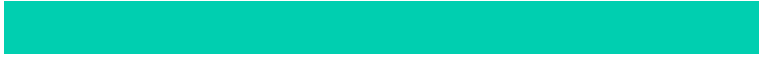
30.1493, 47.7602, 48.7039



61.4327, 47.7602, 85.0320

Square

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



30.1493, 47.7602, 48.7039



44.2277, 47.7602, 119.2759



65.0688, 47.7602, 55.4473



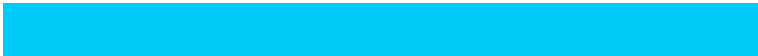
46.5820, 47.7602, 16.4388

Rectangle

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



30.1493, 47.7602, 48.7039



34.3677, 47.7602, 96.8450



65.0688, 47.7602, 55.4473



58.5590, 47.7602, 23.7117

Sweetspot

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



30.1507, 47.7620, 48.7050



70.4946, 87.5480, 98.4061



22.8813, 44.9198, 7.4654



14.5273, 18.4555, 20.7653



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.



30.1507, 47.7620, 48.7050



48.2589, 76.5195, 77.7382



19.8666, 21.7120, 62.1772



12.0791, 13.3754, 14.7728



19.0229, 30.1021, 30.8302



1.0848, 1.6916, 1.8353

Inverse Universe

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



25.9812, 13.3657, 2.5094



41.5930, 21.4012, 3.7890



28.0813, 17.9622, 1.9880



11.8799, 11.8367, 12.6433



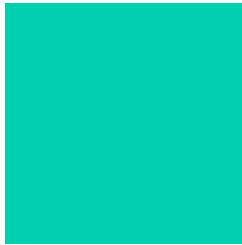
16.3901, 8.4289, 1.6947



0.9400, 0.4807, 0.2187

Previews

White Background



This preview shows how the XYZ color 30.1493, 47.7602, 48.7039 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 30.1493, 47.7602, 48.7039 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

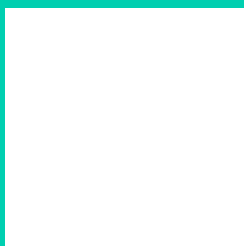
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1493, 47.7602, 48.7039

Background



This preview shows how black text looks on a background with the XYZ color 30.1493, 47.7602, 48.7039.

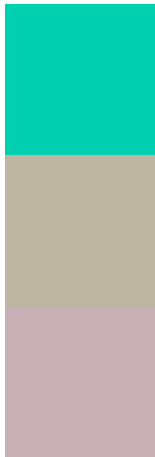


This preview shows how white text looks on a background with the XYZ color 30.1493, 47.7602,

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

30.1493, 47.7602, 48.7039

Protanopia

44.4847, 47.0117, 40.9120

Deuteranopia

47.8920, 46.7489, 51.2990



Tritanopia

35.2865, 47.7348, 73.6836

Trichromacy



Original Color

30.1493, 47.7602, 48.7039



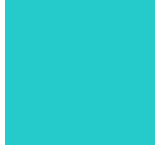
Protanomaly

33.4910, 44.1166, 43.3094



Deuteranomaly

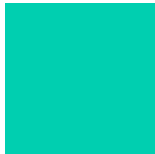
34.7609, 43.3480, 49.7149



Tritanomaly

32.8984, 47.4170, 63.9184

Monochromacy



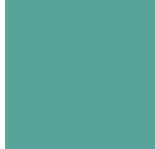
Original Color

30.1493, 47.7602, 48.7039



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.6854, 31.7792, 35.4575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1493, 47.7602, 48.7039 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(0, 207, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 176)  
}
```

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(0, 207, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 176) }
```

Border

The CSS property to change the border of an element to XYZ 30.1493, 47.7602, 48.7039 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(0, 207, 176) }
```


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

```
.border{ border-color:rgb(0, 207, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1493, 47.7602, 48.7039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 176) }
```

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

```
.background{ background-color: rgb(0, 207,  
176) }
```

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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