

Converting Colors

XYZ(31.0807, 48.9891, 49.4703)

Have a look what the booklet for
XYZ(31.0807, 48.9891, 49.4703)
contains.

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Color

**XYZ(31.0455, 48.9347,
49.4040)**

Conversions

Conversions Part 1

Format	Color
Hex	15D1B1
RGB	21, 209, 177
RGB Percent	8%, 82%, 69%
CMY	0.9176, 0.1804, 0.3059
CMYK	0.90, 0.00, 0.15, 0.18
HSL	170°, 82%, 45%
HSV	170°, 90%, 82%
XYZ	31.0455, 48.9347, 49.4040
YIQ	149.1400, -101.7760, -49.8080

Conversions

Conversions Part 2

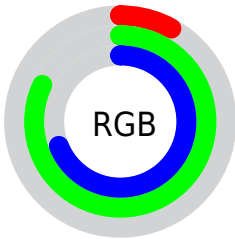
Format	Color
R_{YB}	21, 124, 209
Decimal	1429937
CIE _{Lab}	75.41, -49.67, 3.92
CIE _{LCh}	75, 49.824, 175.488
Yxy	48.9347, 0.2399, 0.3782
Android (android.graphics.Color)	4279620017 (0xFF15D1B1)
YUV	149.1400, 13.7350, -112.3788
Hunter-Lab	69.9533, -43.1995, 7.0942

Details

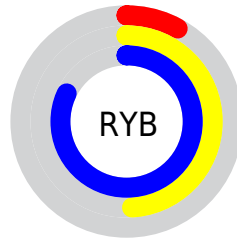
The XYZ color **31.0455, 48.9347, 49.4040** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **27.2070, 14.3500, 4.7063**, and the grayscale version is **28.6034, 30.0930, 32.7713**.

A 20% lighter version of the original color is **56.7747, 80.6544, 89.6663**, and **15.0929, 24.2631, 23.2898** is the 20% darker color. If you saturate the color by 10%, you get **30.3886, 48.6377, 47.5470**, and if you desaturate by 10%, it is **32.0481, 49.4112, 51.3277**.

Distribution



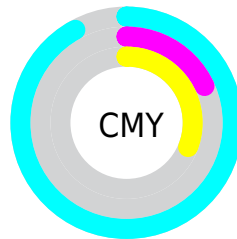
- Red (8%)
- Green (82%)
- Blue (69%)



- Red (8%)
- Yellow (49%)
- Blue (82%)



- Cyan (90%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)





- Cyan (92%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0455, 48.9347, 49.4040 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 31.0455, 48.9347, 49.4040 by changing the saturation by 10% instead.


 31.0455, 48.9347,
49.4040


 31.0455, 48.9347,
49.4040


298.5710,
382.4852, 400.9987

 20.7855, 34.5677,
34.5722


 60.6871, 88.5945,
90.6784


 13.0789, 23.3300,
23.0526


 80.7993, 114.6560,
117.9580

 7.5602, 14.8374,
14.4267


 104.9264,
145.3845, 150.2241

 3.8643, 8.7053,
8.2759

 133.4336,
181.1643, 187.8950

 1.6257, 4.5495,
4.1817

 166.6863,
222.3799, 231.3894

 0.4090, 1.9854,
1.7255

205.0499,

 0.0000, 0.5990,

269.4157, 281.1258

0.3782

248.8897,
322.6560, 337.5227

■ 0.0000, 0.0000,
0.0000

■ 31.0455, 48.9347,
49.4040

■ 31.0455, 48.9347,
49.4040

■ 30.3886, 48.6377,
47.5470

■ 32.0481, 49.4112,
51.3277

■ 30.3852, 48.6361,
47.5367

■ 33.5036, 50.1190,
53.3201

■ 35.4744, 51.0913,
55.3856

■ 38.0120, 52.3547,
57.5270

■ 41.1615, 53.9324,
59.7467

■ 44.9634, 55.8454,
62.0470

■ 49.4550, 58.1128,
64.4299

■ 54.6703, 60.7522,
66.8974

■ 60.6413, 63.7800,
69.4513

Harmonies

Analogous

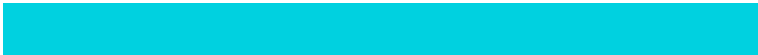
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4343, 48.9347, 29.4729



31.0455, 48.9347, 49.4040



32.3326, 48.9347, 78.1185

Triad

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



31.0455, 48.9347, 49.4040



54.5242, 48.9347, 113.1508



57.2413, 48.9347, 21.5477

Complementary

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



31.0455, 48.9347, 49.4040



27.2070, 14.3500, 4.7063

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.



64.3253, 48.9347, 34.3608



31.0455, 48.9347, 49.4040



62.6175, 48.9347, 87.3467

Square

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



31.0455, 48.9347, 49.4040



45.1366, 48.9347, 121.2008



66.4112, 48.9347, 57.3569



47.9130, 48.9347, 17.1143

Rectangle

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



31.0455, 48.9347, 49.4040



35.2053, 48.9347, 98.0497



66.4112, 48.9347, 57.3569



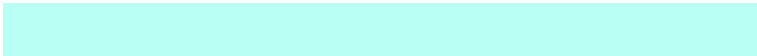
60.0098, 48.9347, 24.7601

Sweetspot

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



31.0469, 48.9366, 49.4052



72.2661, 88.4659, 98.2821



24.5389, 46.4827, 8.3890



14.9806, 18.6896, 20.7641



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.



31.0469, 48.9366, 49.4052



47.5920, 76.2528, 74.2265



22.6413, 26.4086, 64.2278



12.0684, 13.3711, 14.7164



18.7659, 29.9993, 29.4770



1.0727, 1.6867, 1.7714

Inverse Universe

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



27.2070, 14.3500, 4.7063



41.6836, 21.4374, 4.2660



29.3398, 19.4276, 2.9138



11.8897, 11.8406, 12.6949



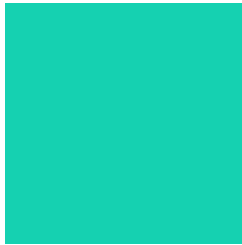
16.4299, 8.4448, 1.9039



0.9445, 0.4825, 0.2428

Previews

White Background



This preview shows how the XYZ color 31.0455, 48.9347, 49.4040 looks on a white background.

Color Contrast Check

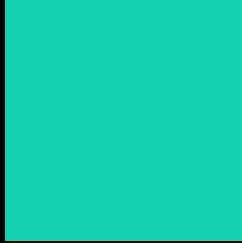
Large Text (above 18pt) WCAG AA × Fail

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 31.0455, 48.9347, 49.4040 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

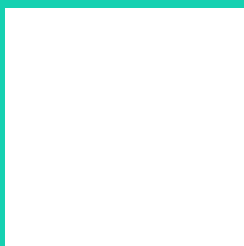
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0455, 48.9347, 49.4040

Background



This preview shows how black text looks on a background with the XYZ color 31.0455, 48.9347, 49.4040.



This preview shows how white text looks on a background with the XYZ color 31.0455, 48.9347,

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

31.0455, 48.9347, 49.4040

Protanopia

45.4896, 48.1318, 41.5431

Deuteranopia

48.9292, 47.8580, 52.0061



Tritanopia

36.2608, 48.9033, 75.2383

Trichromacy



Original Color

31.0455, 48.9347, 49.4040



Protanomaly

35.3438, 45.7129, 44.0064



Deuteranomaly

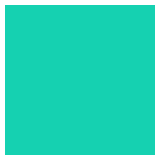
36.6914, 44.9656, 50.4615



Tritanomaly

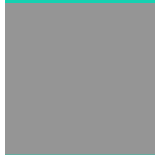
33.9027, 48.6266, 64.7258

Monochromacy



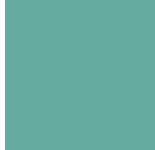
Original Color

31.0455, 48.9347, 49.4040



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

26.3004, 34.4538, 38.0650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0455, 48.9347, 49.4040 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(21, 209, 177)` looks like.

```
.text, #text, p{  
    color:rgb(21, 209, 177)  
}
```

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(21, 209, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 209, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.0455, 48.9347, 49.4040 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(21, 209, 177) }
```


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

```
.border{ border-color:rgb(21, 209, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 209, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 209, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 209, 177);  
box-shadow:4px 4px 4px 4px rgb(21, 209,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0455, 48.9347, 49.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 209, 177) }
```

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

```
.background{ background-color: rgb(21, 209,  
177) }
```

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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