

Converting Colors

XYZ(30.3906, 50.6754, 39.7421)

Have a look what the booklet for
XYZ(30.3906, 50.6754, 39.7421)
contains.

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Color

**XYZ(30.3566, 50.6529,
39.6295)**

Conversions

Conversions Part 1

Format	Color
Hex	15D69C
RGB	21, 214, 156
RGB Percent	8%, 84%, 61%
CMY	0.9176, 0.1608, 0.3882
CMYK	0.90, 0.00, 0.27, 0.16
HSL	162°, 82%, 46%
HSV	162°, 90%, 84%
XYZ	30.3566, 50.6529, 39.6295
YIQ	149.6810, -96.4100, -58.9540

Conversions

Conversions Part 2

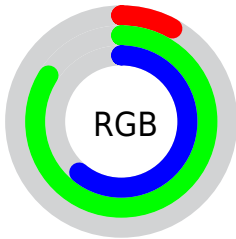
Format	Color
RYB	21, 135, 214
Decimal	1431196
CIELab	76.47, -56.79, 16.63
CIELCh	76, 59.179, 163.677
Yxy	50.6529, 0.2516, 0.4199
Android (android.graphics.Color)	4279621276 (0xFF15D69C)
YUV	149.6810, 3.1153, -112.8532
Hunter-Lab	71.1709, -48.4131, 16.8056

Details

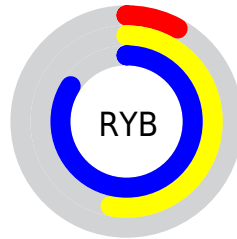
The XYZ color **30.3566, 50.6529, 39.6295** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **29.4129, 15.3983, 8.8223**, and the grayscale version is **28.8733, 30.3770, 33.0806**.

A 20% lighter version of the original color is **53.8245, 79.4744, 74.1313**, and **14.7767, 25.4736, 17.5027** is the 20% darker color. If you saturate the color by 10%, you get **29.5272, 50.2868, 36.8718**, and if you desaturate by 10%, it is **31.5796, 51.2201, 42.6069**.

Distribution



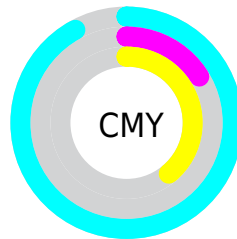
- Red (8%)
- Green (84%)
- Blue (61%)



- Red (8%)
- Yellow (53%)
- Blue (84%)



- Cyan (90%)
- Magenta (0%)
- Yellow (27%)
- Black (16%)




- Cyan (92%)
- Magenta (16%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3566, 50.6529, 39.6295 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 30.3566, 50.6529, 39.6295 by changing the saturation by 10% instead.


 30.3566, 50.6529,
39.6295


 30.3566, 50.6529,
39.6295


295.4432,
389.2137, 360.0650


 20.2588, 35.9324,
26.9382


 59.6084, 91.1415,
75.8299


 12.6927, 24.3820,
17.2948


 79.4932, 117.6784,
100.1761

 7.2928, 15.6173,
10.2807


 103.3710,
148.9230, 129.2443

 3.6938, 9.2537,
5.4774

 131.6072,
185.2595, 163.4531

 1.5304, 4.9070,
2.4664

 164.5672,
227.0725, 203.2211

 0.3464, 2.1928,
0.8223

202.6163,

 0.0000, 0.7161,

274.7462, 248.9667

0.0000

246.1198,
328.6652, 301.1085

■ 0.0000, 0.0000,
0.0000

■ 30.3566, 50.6529,
39.6295

■ 30.3566, 50.6529,
39.6295

■ 29.5272, 50.2868,
36.8718

■ 31.5796, 51.2201,
42.6069

■ 33.2987, 52.0383,
45.7593

■ 35.5806, 53.1432,
49.0930

■ 38.4804, 54.5632,
52.6129

■ 42.0466, 56.3232,
56.3232

■ 46.3225, 58.4456,
60.2282

■ 51.3479, 60.9506,
64.3316

■ 57.1593, 63.8572,
68.6373

■ 63.7911, 67.1830,
73.1487

Harmonies

Analogous

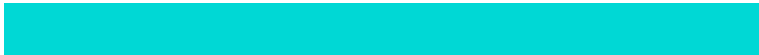
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.8008, 50.6529, 21.5909



30.3566, 50.6529, 39.6295



30.1686, 50.6529, 70.9869

Triad

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



30.3566, 50.6529, 39.6295



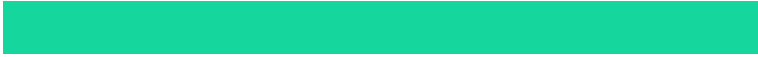
53.3950, 50.6529, 138.9391



65.3792, 50.6529, 22.6815

Complementary

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



30.3566, 50.6529, 39.6295



29.4129, 15.3983, 8.8223

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.



72.1318, 50.6529, 41.8673



30.3566, 50.6529, 39.6295



64.5246, 50.6529, 112.5640

Square

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



30.3566, 50.6529, 39.6295



42.3650, 50.6529, 137.5850



71.7968, 50.6529, 74.2767



54.4261, 50.6529, 14.7144

Rectangle

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



30.3566, 50.6529, 39.6295



32.4122, 50.6529, 96.7005



71.7968, 50.6529, 74.2767



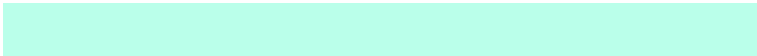
68.2860, 50.6529, 27.6246

Sweetspot

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



30.3580, 50.6549, 39.6307



70.9417, 87.9361, 91.3081



27.6738, 49.9487, 8.8927



14.6649, 18.5633, 19.1016



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.



30.3580, 50.6549, 39.6307



43.8322, 74.7489, 54.4276



28.4922, 37.1038, 69.2808



12.6258, 14.0413, 15.1099



17.8946, 30.4132, 22.5384



1.1151, 1.8487, 1.5480

Inverse Universe

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



29.4129, 15.3983, 8.8223



42.5668, 21.7907, 8.9170



29.3016, 17.2178, 2.4892



12.5753, 12.4816, 13.7040



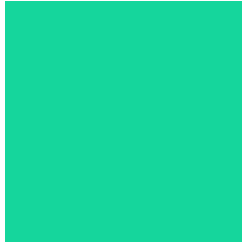
17.3672, 8.8832, 3.9716



1.0838, 0.5503, 0.4308

Previews

White Background



This preview shows how the XYZ color 30.3566, 50.6529, 39.6295 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 30.3566, 50.6529, 39.6295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

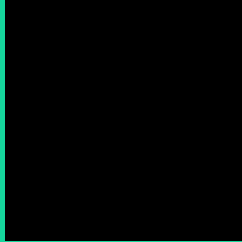
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

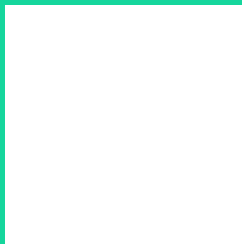
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3566, 50.6529, 39.6295

Background



This preview shows how black text looks on a background with the XYZ color 30.3566, 50.6529, 39.6295.

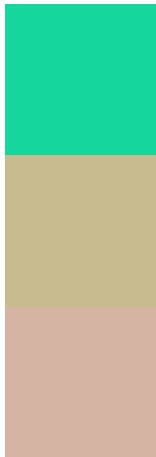


This preview shows how white text looks on a background with the XYZ color 30.3566, 50.6529, 39.6295.

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

30.3566, 50.6529, 39.6295

Protanopia

46.5477, 49.8032, 33.1463

Deuteranopia

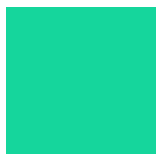
50.4627, 49.4690, 42.0108



Tritanopia

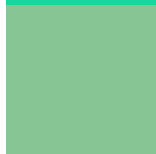
37.6886, 50.3143, 76.8325

Trichromacy



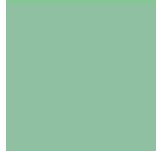
Original Color

30.3566, 50.6529, 39.6295



Protanomaly

35.3032, 47.2215, 35.2710



Deuteranomaly

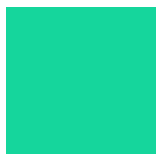
36.6104, 46.1121, 40.6892



Tritanomaly

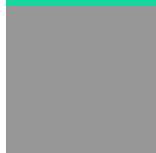
34.2171, 49.9459, 61.2632

Monochromacy



Original Color

30.3566, 50.6529, 39.6295



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.2046, 35.0377, 35.0876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3566, 50.6529, 39.6295 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, 214, 156)` looks like.

```
.text, #text, p{  
    color:rgb(21, 214, 156)  
}
```

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, 214, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 214, 156) }
```

Border

The CSS property to change the border of an element to XYZ 30.3566, 50.6529, 39.6295 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, 214, 156) }
```


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

```
.border{ border-color:rgb(21, 214, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 214, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 214, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 214, 156);  
box-shadow:4px 4px 4px 4px rgb(21, 214,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3566, 50.6529, 39.6295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 214, 156) }
```

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

```
.background{ background-color: rgb(21, 214,  
156) }
```

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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