

Converting Colors

XYZ(30.1914, 50.6323, 40.1207)

Have a look what the booklet for
XYZ(30.1914, 50.6323, 40.1207)
contains.

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Color

**XYZ(30.1324, 50.5275,
40.0629)**

Conversions

Conversions Part 1

Format	Color
Hex	00D69D
RGB	0, 214, 157
RGB Percent	0%, 84%, 62%
CMY	0.9999, 0.1608, 0.3843
CMYK	1.00, 0.00, 0.27, 0.16
HSL	164°, 100%, 42%
HSV	164°, 100%, 84%
XYZ	30.1324, 50.5275, 40.0629
YIQ	143.5160, -109.2470, -63.0950

Conversions

Conversions Part 2

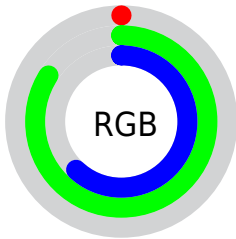
Format	Color
RYB	0, 123, 214
Decimal	54941
CIELab	76.39, -57.31, 15.98
CIELCh	76, 59.495, 164.418
Yxy	50.5275, 0.2496, 0.4185
Android (android.graphics.Color)	4278245021 (0xFF00D69D)
YUV	143.5160, 6.6476, -125.8635
Hunter-Lab	71.0827, -48.7275, 16.3415

Details

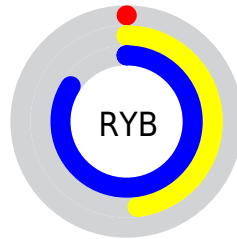
The XYZ color **30.1324, 50.5275, 40.0629** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.4721, 14.5930, 5.1907**, and the grayscale version is **26.3242, 27.6951, 30.1600**.

A 20% lighter version of the original color is **53.4694, 79.2767, 74.7712**, and **14.8284, 25.4943, 17.7750** is the 20% darker color. If you saturate the color by 10%, you get **30.1328, 50.5291, 40.0608**, and if you desaturate by 10%, it is **30.9501, 50.8928, 42.7029**.

Distribution



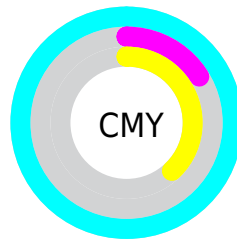
- Red (0%)
- Green (84%)
- Blue (62%)



- Red (0%)
- Yellow (48%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1324, 50.5275, 40.0629 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 30.1324, 50.5275, 40.0629 by changing the saturation by 10% instead.


 30.1324, 50.5275,
40.0629


 30.1324, 50.5275,
40.0629


294.4199,
388.7252, 361.9486


 20.0877, 35.8327,
27.2734


 59.2567, 90.9560,
76.4974


 12.5674, 24.3050,
17.5444

 79.0670, 117.4584,
100.9796

 7.2063, 15.5600,
10.4574


 102.8631,
148.6655, 130.1963

 3.6389, 9.2134,
5.5937

 131.0106,
184.9618, 164.5663

 1.5000, 4.8806,
2.5349

 163.8746,
226.7314, 204.5079

 0.3258, 2.1774,
0.8586

201.8206,

 0.0000, 0.7076,

274.3590, 250.4398

0.0000

245.2139,
328.2288, 302.7805

■ 0.0000, 0.0000,
0.0000

■ 30.1324, 50.5275,
40.0629

■ 30.1324, 50.5275,
40.0629

■ 30.1328, 50.5291,
40.0608

■ 30.9501, 50.8928,
42.7029

■ 32.1421, 51.4470,
45.4795

■ 33.8269, 52.2526,
48.4008

■ 36.0695, 53.3431,
51.4714

■ 38.9248, 54.7467,
54.6953

■ 42.4410, 56.4882,
58.0763

■ 46.6613, 58.5898,
61.6178

■ 51.6251, 61.0719,
65.3230

■ 57.3690, 63.9532,
69.1951

Harmonies

Analogous

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



34.4808, 50.5275, 21.6879



30.1324, 50.5275, 40.0629



30.0495, 50.5275, 71.8359

Triad

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



30.1324, 50.5275, 40.0629



53.5860, 50.5275, 138.9171



65.0973, 50.5275, 22.1677

Complementary

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



30.1324, 50.5275, 40.0629



28.4721, 14.5930, 5.1907

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.



72.0327, 50.5275, 41.0504



30.1324, 50.5275, 40.0629



64.7192, 50.5275, 111.8347

Square

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



30.1324, 50.5275, 40.0629



42.4720, 50.5275, 138.3167



71.8844, 50.5275, 73.2914



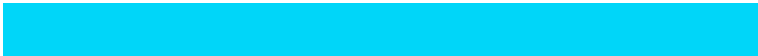
54.0418, 50.5275, 14.4383

Rectangle

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



30.1324, 50.5275, 40.0629



32.3673, 50.5275, 97.7308



71.8844, 50.5275, 73.2914



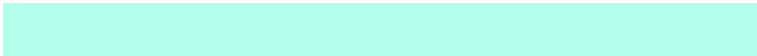
68.0590, 50.5275, 27.0115

Sweetspot

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



30.1338, 50.5295, 40.0641



69.1757, 87.0205, 91.4612



25.7399, 48.9674, 8.0958



14.2093, 18.3283, 19.0908



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.



30.1338, 50.5295, 40.0641



44.7371, 75.1109, 59.1930



25.4274, 31.4334, 68.3478



12.6444, 14.0488, 15.2078



18.2578, 30.5585, 24.4512



1.1347, 1.8565, 1.6510

Inverse Universe

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



28.4721, 14.5930, 5.1907



42.2813, 21.6765, 7.4132



28.8714, 16.5741, 1.6782



12.5578, 12.4746, 13.6114



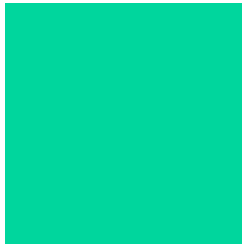
17.2455, 8.8345, 3.3310



1.0746, 0.5466, 0.3824

Previews

White Background



This preview shows how the XYZ color 30.1324, 50.5275, 40.0629 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 30.1324, 50.5275, 40.0629 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

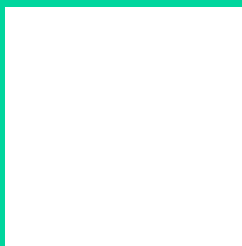
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1324, 50.5275, 40.0629

Background



This preview shows how black text looks on a background with the XYZ color 30.1324, 50.5275, 40.0629.



This preview shows how white text looks on a background with the XYZ color 30.1324, 50.5275,

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

30.1324, 50.5275, 40.0629

Protanopia

46.3576, 49.6964, 33.5346

Deuteranopia

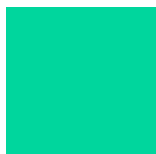
50.5534, 49.5053, 42.4883



Tritanopia

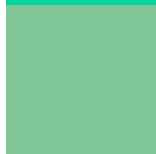
37.7819, 50.7186, 76.9056

Trichromacy



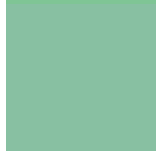
Original Color

30.1324, 50.5275, 40.0629



Protanomaly

34.1435, 46.6145, 35.6317



Deuteranomaly

35.5246, 45.5421, 41.1006



Tritanomaly

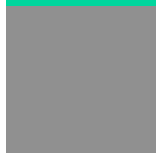
34.0757, 50.2360, 61.3266

Monochromacy



Original Color

30.1324, 50.5275, 40.0629



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.0264, 32.8212, 33.5026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1324, 50.5275, 40.0629 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, 214, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 157)  
}
```

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, 214, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 157) }
```

Border

The CSS property to change the border of an element to XYZ 30.1324, 50.5275, 40.0629 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, 214, 157) }
```


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

```
.border{ border-color:rgb(0, 214, 157) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1324, 50.5275, 40.0629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 157) }
```

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

```
.background{ background-color: rgb(0, 214,  
157) }
```

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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