

Converting Colors

XYZ(28.5397, 48.9458, 34.5858)

Have a look what the booklet for
XYZ(28.5397, 48.9458, 34.5858)
contains.

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Color

**XYZ(28.6543, 49.1313,
34.7611)**

Conversions

Conversions Part 1

Format	Color
Hex	00D491
RGB	0, 212, 145
RGB Percent	0%, 83%, 57%
CMY	0.9999, 0.1686, 0.4314
CMYK	1.00, 0.00, 0.32, 0.17
HSL	161°, 100%, 42%
HSV	161°, 100%, 83%
XYZ	28.6543, 49.1313, 34.7611
YIQ	140.9740, -104.8450, -65.7810

Conversions

Conversions Part 2

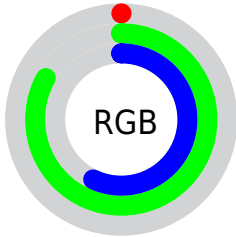
Format	Color
RYB	0, 126, 212
Decimal	54417
CIELab	75.53, -59.27, 21.12
CIELCh	76, 62.926, 160.385
Yxy	49.1313, 0.2546, 0.4365
Android (android.graphics.Color)	4278244497 (0xFF00D491)
YUV	140.9740, 1.9848, -123.6342
Hunter-Lab	70.0937, -49.6933, 19.6623

Details

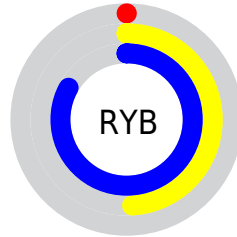
The XYZ color **28.6543, 49.1313, 34.7611** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.1664, 14.4035, 6.6092**, and the grayscale version is **25.3321, 26.6513, 29.0233**.

A 20% lighter version of the original color is **51.7777, 78.5866, 66.4726**, and **13.9088, 24.5851, 14.6020** is the 20% darker color. If you saturate the color by 10%, you get **28.6549, 49.1329, 34.7597**, and if you desaturate by 10%, it is **29.5015, 49.5078, 37.5794**.

Distribution



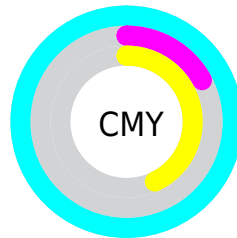
- Red (0%)
- Green (83%)
- Blue (57%)



- Red (0%)
- Yellow (49%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6543, 49.1313, 34.7611 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 28.6543, 49.1313, 34.7611 by changing the saturation by 10% instead.


 28.6543, 49.1313,
34.7611


 28.6543, 49.1313,
34.7611


287.6041,
383.2590, 338.3847


 18.9624, 34.7236,
23.1968


 56.9288, 88.8864,
68.2629


 11.7470, 23.4501,
14.5322


 76.2420, 115.0027,
91.0375


 6.6426, 14.9262,
8.3488


 99.4932, 145.7906,
118.3859

 3.2839, 8.7676,
4.2280

 127.0475,
181.6346, 150.7267

 1.3056, 4.5899,
1.7512

 159.2704,
222.9190, 188.4785

 0.1874, 2.0087,
0.3955

196.5272,

 0.0000, 0.6125,

270.0283, 232.0597

0.0000

239.1833,
323.3468, 281.8890

■ 0.0000, 0.0000,
0.0000

■ 28.6543, 49.1313,
34.7611

■ 28.6543, 49.1313,
34.7611

■ 28.6549, 49.1329,
34.7597

■ 29.5015, 49.5078,
37.5794

■ 30.7229, 50.0724,
40.5759

■ 32.4352, 50.8865,
43.7597

■ 34.7022, 51.9827,
47.1364

■ 37.5776, 53.3889,
50.7108

■ 41.1087, 55.1293,
54.4878

■ 45.3378, 57.2258,
58.4716

■ 50.3038, 59.6981,
62.6663

■ 56.0425, 62.5649,
67.0759

Harmonies

Analogous

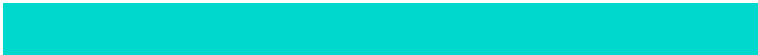
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6653, 49.1313, 18.0583



28.6543, 49.1313, 34.7611



27.9876, 49.1313, 65.8799

Triad

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



28.6543, 49.1313, 34.7611



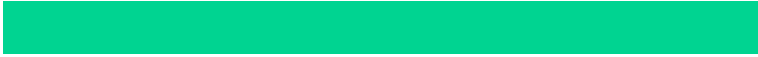
50.8425, 49.1313, 144.3520



65.8687, 49.1313, 21.8233

Complementary

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



28.6543, 49.1313, 34.7611



28.1664, 14.4035, 6.6092

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.



72.3038, 49.1313, 42.7696



28.6543, 49.1313, 34.7611



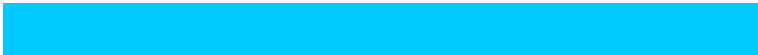
62.7225, 49.1313, 118.5408

Square

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



28.6543, 49.1313, 34.7611



39.5915, 49.1313, 139.2478



71.0655, 49.1313, 77.9809



54.6074, 49.1313, 13.0233

Rectangle

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



28.6543, 49.1313, 34.7611



29.9533, 49.1313, 92.8297



71.0655, 49.1313, 77.9809



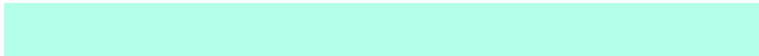
68.7462, 49.1313, 27.2174

Sweetspot

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



28.6556, 49.1332, 34.7622



68.6335, 86.8036, 88.6060



25.8694, 48.2873, 7.9575



14.0793, 18.2763, 18.4062



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.



28.6556, 49.1332, 34.7622



43.4393, 74.5917, 52.3585



26.8548, 34.6946, 67.5710



12.6174, 14.0380, 15.0655



17.7366, 30.3500, 21.7066



1.1065, 1.8453, 1.5027

Inverse Universe

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



28.1664, 14.4035, 6.6092



42.7102, 21.8481, 9.6717



27.8742, 15.4410, 1.5119



12.5834, 12.4848, 13.7462



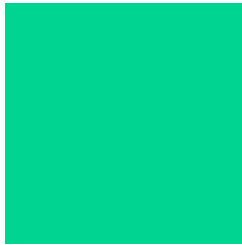
17.4278, 8.9074, 4.2908



1.0883, 0.5521, 0.4541

Previews

White Background



This preview shows how the XYZ color 28.6543, 49.1313, 34.7611 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 28.6543, 49.1313, 34.7611 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

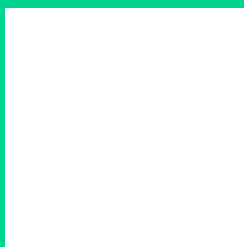
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6543, 49.1313, 34.7611

Background



This preview shows how black text looks on a background with the XYZ color 28.6543, 49.1313, 34.7611.



This preview shows how white text looks on a background with the XYZ color 28.6543, 49.1313,

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

28.6543, 49.1313, 34.7611

Protanopia

44.9273, 48.1165, 29.1098

Deuteranopia

48.9125, 47.8903, 36.8028



Tritanopia

36.8146, 49.2041, 74.5748

Trichromacy



Original Color

28.6543, 49.1313, 34.7611



Protanomaly

32.5595, 44.9017, 30.6177



Deuteranomaly

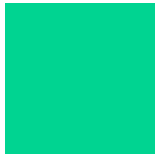
34.0718, 44.2632, 35.6020



Tritanomaly

32.7124, 48.5292, 57.5121

Monochromacy



Original Color

28.6543, 49.1313, 34.7611



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.9177, 31.7641, 30.5144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6543, 49.1313, 34.7611 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, 212, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 145)  
}
```

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, 212, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 145) }
```

Border

The CSS property to change the border of an element to XYZ 28.6543, 49.1313, 34.7611 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, 212, 145) }
```


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

```
.border{ border-color:rgb(0, 212, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6543, 49.1313, 34.7611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 145) }
```

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

```
.background{ background-color: rgb(0, 212,  
145) }
```

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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