

Converting Colors

XYZ(36.3368, 58.5943, 50.1635)

Have a look what the booklet for
XYZ(36.3368, 58.5943, 50.1635)
contains.

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Color

**XYZ(36.2891, 58.5912,
49.9540)**

Conversions

Conversions Part 1

Format	Color
Hex	2DE3AF
RGB	45, 227, 175
RGB Percent	18%, 89%, 69%
CMY	0.8235, 0.1098, 0.3137
CMYK	0.80, 0.00, 0.23, 0.11
HSL	163°, 76%, 53%
HSV	163°, 80%, 89%
XYZ	36.2891, 58.5912, 49.9540
YIQ	166.6540, -91.7800, -54.7560

Conversions

Conversions Part 2

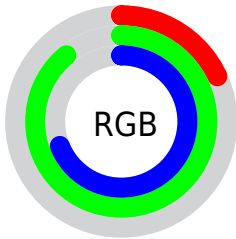
Format	Color
RYB	45, 151, 227
Decimal	3007407
CIELab	81.07, -55.66, 13.10
CIELCh	81, 57.182, 166.753
Yxy	58.5912, 0.2506, 0.4045
Android (android.graphics.Color)	4281197487 (0xFF2DE3AF)
YUV	166.6540, 4.1146, -106.6906
Hunter-Lab	76.5449, -49.3286, 14.8881




Details

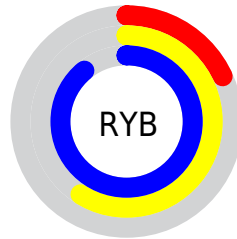
The XYZ color **36.2891, 58.5912, 49.9540** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **34.7766, 19.0722, 13.1601**, and the grayscale version is **36.5768, 38.4817, 41.9066**.




A 20% lighter version of the original color is **58.2098, 81.4271, 88.2503**, and **17.8876, 30.1546, 23.2900** is the 20% darker color. If you saturate the color by 10%, you get **34.9238, 57.9607, 46.6450**, and if you desaturate by 10%, it is **38.2244, 59.5150, 53.4520**.

Distribution







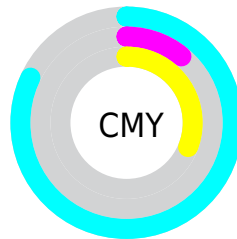
-  Red (18%)
-  Green (89%)
-  Blue (69%)






-  Red (18%)
-  Yellow (59%)
-  Blue (89%)



-  Cyan (80%)
-  Magenta (0%)
-  Yellow (23%)
-  Black (11%)





-  Cyan (82%)
-  Magenta (11%)
-  Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2891, 58.5912, 49.9540 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 36.2891, 58.5912, 49.9540 by changing the saturation by 10% instead.

 36.2891, 58.5912,
49.9540


 36.2891, 58.5912,
49.9540


321.6316,
419.3853, 403.2159


 24.8287, 42.2841,
35.0059


 68.7990, 102.7833,
91.5023


 16.0775, 29.3238,
23.3838


 90.5792, 131.4371,
118.9396


 9.6702, 19.3259,
14.6692


 116.5301,
164.9752, 151.3771

 5.2414, 11.9060,
8.4435

 147.0170,
203.7822, 189.2333

 2.4258, 6.6797,
4.2882

 182.4052,
248.2422, 232.9268

 0.8580, 3.2626,
1.7848

223.0602,

 0.0000, 1.2703,

298.7398, 282.8760

0.4179

269.3472,
355.6594, 339.4995

■ 0.0000, 0.1181,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2891, 58.5912,
49.9540

■ 36.2891, 58.5912,
49.9540

■ 34.9238, 57.9607,
46.6450


■ 38.2244, 59.5150,
53.4520


■ 34.0043, 57.5539,
43.5653


■ 40.8008, 60.7642,
57.1407


■ 44.0837, 62.3739,
61.0264


■ 48.1289, 64.3731,
65.1141

 52.9867, 66.7873,
69.4079

 58.7028, 69.6403,
73.9122

 65.3195, 72.9538,
78.6307

 72.8763, 76.7480,
83.5675

 81.4102, 81.0421,
88.7259

Harmonies

Analogous

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



40.6580, 58.5912, 28.6624



36.2891, 58.5912, 49.9540



36.5616, 58.5912, 84.5628

Triad

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



36.2891, 58.5912, 49.9540



62.5336, 58.5912, 149.1341



72.8438, 58.5912, 27.0345

Complementary

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



36.2891, 58.5912, 49.9540



34.7766, 19.0722, 13.1601

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.



80.5395, 58.5912, 46.7418



36.2891, 58.5912, 49.9540



74.0319, 58.5912, 119.9060

Square

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



36.2891, 58.5912, 49.9540



50.6192, 58.5912, 150.9658



81.0028, 58.5912, 79.9841



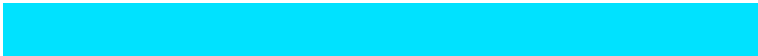
61.0869, 58.5912, 18.9661

Rectangle

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



36.2891, 58.5912, 49.9540



39.3249, 58.5912, 111.4701



81.0028, 58.5912, 79.9841



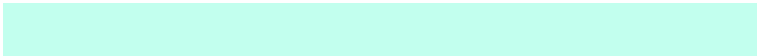
76.0601, 58.5912, 32.1215

Sweetspot

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



36.2907, 58.5935, 49.9554



73.3180, 89.1074, 93.8496



33.1561, 57.8167, 11.8957



15.1289, 18.7911, 19.6393



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.



36.2907, 58.5935, 49.9554



44.6502, 75.0908, 58.0689



33.4929, 43.1937, 79.2477



14.6226, 16.2625, 17.5436



19.8833, 33.5854, 25.6836



1.5088, 2.4977, 2.1061

Inverse Universe

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



34.7766, 19.0722, 13.1601



42.8041, 22.0628, 9.6204



35.1263, 22.4666, 4.9686



14.5455, 14.4354, 15.8068



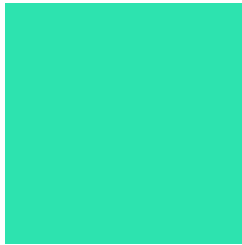
19.0727, 9.7633, 4.0116



1.4484, 0.7371, 0.5020

Previews

White Background



This preview shows how the XYZ color 36.2891, 58.5912, 49.9540 looks on a white background.

Color Contrast Check

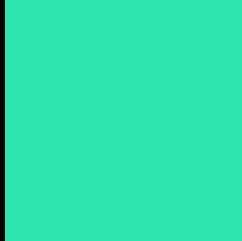
Large Text (above 18pt) WCAG AA × Fail

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 36.2891, 58.5912, 49.9540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

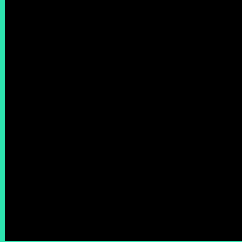
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

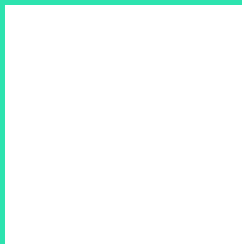
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2891, 58.5912, 49.9540

Background



This preview shows how black text looks on a background with the XYZ color 36.2891, 58.5912, 49.9540.

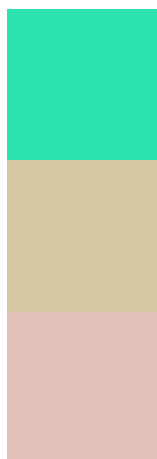


This preview shows how white text looks on a background with the XYZ color 36.2891, 58.5912,

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

36.2891, 58.5912, 49.9540

Protanopia

54.0078, 57.4171, 41.9543

Deuteranopia

58.4482, 57.1257, 52.7456



Tritanopia

44.0973, 58.5713, 89.1020

Trichromacy



Original Color

36.2891, 58.5912, 49.9540



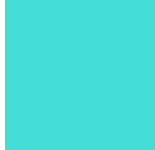
Protanomaly

42.4459, 54.9334, 44.4425



Deuteranomaly

44.5667, 54.4315, 51.3374



Tritanomaly

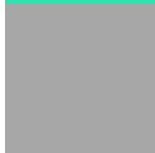
40.7131, 58.3628, 72.7377

Monochromacy



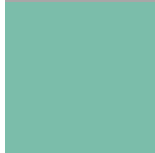
Original Color

36.2891, 58.5912, 49.9540



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.6217, 43.5084, 44.6561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2891, 58.5912, 49.9540 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(45, 227, 175)` looks like.

```
.text, #text, p{  
    color:rgb(45, 227, 175)  
}
```

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(45, 227, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 175) }
```

Border

The CSS property to change the border of an element to XYZ 36.2891, 58.5912, 49.9540 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(45, 227, 175) }
```


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

```
.border{ border-color:rgb(45, 227, 175) }
```

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

Here you see how a box with a 4 pixel rgb(45, 227, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 175);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2891, 58.5912, 49.9540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 175) }
```

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

```
.background{ background-color: rgb(45, 227,  
175) }
```

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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