

Converting Colors

XYZ(12.9404, 21.4626, 17.9334)

Have a look what the booklet for
XYZ(12.9404, 21.4626, 17.9334)
contains.

XYZ(12.8857, 21.3549, 17.9108)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.8857, 21.3549,
17.9108)**

Conversions

Conversions Part 1

Format	Color
Hex	00916D
RGB	0, 145, 109
RGB Percent	0%, 57%, 43%
CMY	1.0000, 0.4314, 0.5725
CMYK	1.00, 0.00, 0.25, 0.43
HSL	165°, 100%, 28%
HSV	165°, 100%, 57%
XYZ	12.8857, 21.3549, 17.9108
YIQ	97.5410, -74.8640, -41.9360

Conversions

Conversions Part 2

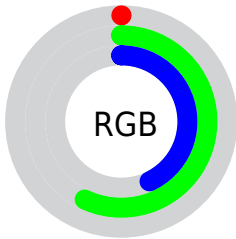
Format	Color
RYB	0, 83, 145
Decimal	37229
CIELab	53.34, -42.00, 9.96
CIELCh	53, 43.168, 166.660
Yxy	21.3549, 0.2471, 0.4095
Android (android.graphics.Color)	4278227309 (0xFF00916D)
YUV	97.5410, 5.6493, -85.5435
Hunter-Lab	46.2114, -31.0965, 9.3681

Details

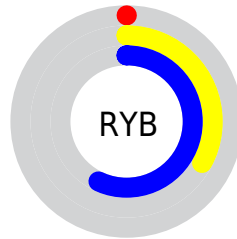
The XYZ color **12.8857, 21.3549, 17.9108** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.9962, 6.1476, 2.2243**, and the grayscale version is **11.4964, 12.0951, 13.1715**.

A 20% lighter version of the original color is **30.8336, 45.8131, 40.9359**, and **4.7567, 8.1656, 5.7403** is the 20% darker color. If you saturate the color by 10%, you get **12.8860, 21.3556, 17.9105**, and if you desaturate by 10%, it is **13.2731, 21.5323, 18.9621**.

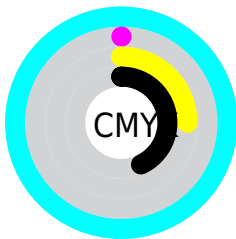
Distribution



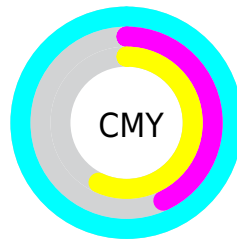
- Red (0%)
- Green (57%)
- Blue (43%)



- Red (0%)
- Yellow (33%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (43%)



- Cyan (100%)
- Magenta (43%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8857, 21.3549, 17.9108 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 12.8857, 21.3549, 17.9108 by changing the saturation by 10% instead.

■ 12.8857, 21.3549,
17.9108

■ 12.8857, 21.3549,
17.9108

203.8363,
259.1586, 252.5870

■ 7.4263, 13.3837,
10.7172

■ 30.7014, 45.6774,
40.6972

■ 3.7788, 7.6933,
5.7652

■ 43.7884, 62.7975,
57.1270

■ 1.5778, 3.8993,
2.6364

■ 60.1486, 83.7361,
77.4726

■ 0.3779, 1.6174,
0.9111

■ 80.1475, 108.8774,
102.1526

■ 0.0000, 0.3693,
0.0000

■ 104.1503,
138.6059, 131.5855

■ 0.0000, 0.0000,
0.0000

■ 132.5225,

173.3060, 166.1898

165.6294,
213.3621, 206.3842

■ 12.8857, 21.3549,
17.9108

■ 12.8857, 21.3549,
17.9108

■ 12.8860, 21.3556,
17.9105

■ 13.2731, 21.5323,
18.9621

■ 13.7969, 21.7785,
20.0612

■ 14.5218, 22.1275,
21.2122

■ 15.4718, 22.5916,
22.4165

■ 16.6675, 23.1814,
23.6757

■ 18.1273, 23.9063,
24.9911

■ 19.8674, 24.7748,
26.3638

■ 21.9032, 25.7947,
27.7950

■ 24.2484, 26.9731,
29.2857

Harmonies

Analogous

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



14.5489, 21.3549, 9.8946



12.8857, 21.3549, 17.9108



12.9834, 21.3549, 31.2466

Triad

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



12.8857, 21.3549, 17.9108



22.9246, 21.3549, 56.6942



26.9518, 21.3549, 9.3222

Complementary

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



12.8857, 21.3549, 17.9108



11.9962, 6.1476, 2.2243

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.



29.9430, 21.3549, 16.7522



12.8857, 21.3549, 17.9108



27.3894, 21.3549, 45.1781

Square

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



12.8857, 21.3549, 17.9108



18.3347, 21.3549, 57.3811



30.1142, 21.3549, 29.5614



22.3949, 21.3549, 6.3456

Rectangle

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



12.8857, 21.3549, 17.9108



14.0277, 21.3549, 41.7667



30.1142, 21.3549, 29.5614



28.2017, 21.3549, 11.2220

Sweetspot

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



12.8863, 21.3557, 17.9113



35.3659, 44.2602, 47.0534



10.8624, 20.6313, 3.4100



7.5970, 9.7110, 10.2604



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.8863, 21.3557, 17.9113



23.0041, 38.2146, 31.6945



10.5536, 12.9294, 28.7284



5.5038, 6.0938, 6.6190



11.0630, 18.3211, 15.4180



0.1145, 0.1787, 0.1936

Inverse Universe

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



11.9962, 6.1476, 2.2243



21.4221, 10.9845, 3.6650



12.3163, 7.2974, 0.7597



5.4604, 5.4447, 5.9225



10.2982, 5.2763, 1.9558



0.1062, 0.0535, 0.0593

Previews

White Background



This preview shows how the XYZ color 12.8857, 21.3549, 17.9108 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8857, 21.3549, 17.9108 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 × Fail

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

XYZ 12.8857, 21.3549, 17.9108

Background



This preview shows how black text looks on a background with the XYZ color 12.8857, 21.3549, 17.9108.



This preview shows how white text looks on a background with the XYZ color 12.8857, 21.3549,

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

12.8857, 21.3549, 17.9108

Protanopia

19.8813, 21.2497, 15.1103

Deuteranopia

21.4984, 21.0633, 18.8521



Tritanopia

15.9452, 21.2804, 32.5453

Trichromacy



Original Color

12.8857, 21.3549, 17.9108

Protanomaly

14.8110, 20.0079, 15.9133

Deuteranomaly

15.3209, 19.4104, 18.2683

Tritanomaly

14.4755, 21.0885, 26.6001

Monochromacy



Original Color

12.8857, 21.3549, 17.9108

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.5156, 14.2449, 14.7657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8857, 21.3549, 17.9108 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, 145, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 109)  
}
```

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, 145, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 109) }
```

Border

The CSS property to change the border of an element to XYZ 12.8857, 21.3549, 17.9108 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, 145, 109) }
```


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

```
.border{ border-color:rgb(0, 145, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8857, 21.3549, 17.9108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 109) }
```

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

```
.background{ background-color: rgb(0, 145,  
109) }
```

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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