

Converting Colors

XYZ(10.1434, 17.3899, 12.3117)

Have a look what the booklet for
XYZ(10.1434, 17.3899, 12.3117)
contains.

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Color

**XYZ(10.1907, 17.4963,
12.2912)**

Conversions

Conversions Part 1

Format	Color
Hex	008559
RGB	0, 133, 89
RGB Percent	0%, 52%, 35%
CMY	1.0000, 0.4784, 0.6510
CMYK	1.00, 0.00, 0.33, 0.48
HSL	160°, 100%, 26%
HSV	160°, 100%, 52%
XYZ	10.1907, 17.4963, 12.2912
YIQ	88.2170, -65.1440, -41.8800

Conversions

Conversions Part 2

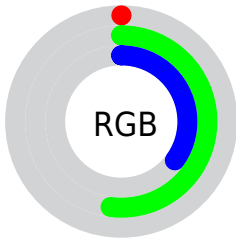
Format	Color
RYB	0, 80, 133
Decimal	34137
CIELab	48.88, -42.12, 15.20
CIELCh	49, 44.778, 160.154
Yxy	17.4963, 0.2549, 0.4376
Android (android.graphics.Color)	4278224217 (0xFF008559)
YUV	88.2170, 0.3860, -77.3663
Hunter-Lab	41.8286, -29.7120, 11.8578

Details

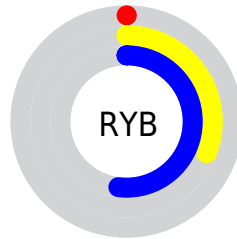
The XYZ color **10.1907, 17.4963, 12.2912** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.1281, 5.1688, 2.8477**, and the grayscale version is **9.3334, 9.8195, 10.6934**.

A 20% lighter version of the original color is **25.7388, 39.1102, 30.6185**, and **3.4533, 6.2090, 3.3019** is the 20% darker color. If you saturate the color by 10%, you get **10.1909, 17.4969, 12.2909**, and if you desaturate by 10%, it is **10.5520, 17.6610, 13.3022**.

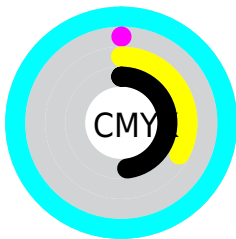
Distribution



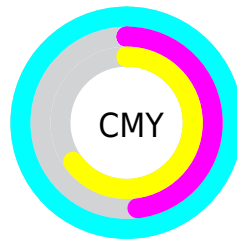
- Red (0%)
- Green (52%)
- Blue (35%)



- Red (0%)
- Yellow (31%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (48%)





- Cyan (100%)
- Magenta (48%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1907, 17.4963, 12.2912 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 10.1907, 17.4963, 12.2912 by changing the saturation by 10% instead.


 10.1907, 17.4963,
12.2912


 10.1907, 17.4963,
12.2912


186.0531,
238.0164, 217.3696


 5.5888, 10.5890,
6.8174


 25.8000, 39.1771,
30.6967


 2.6350, 5.7912,
3.2714

 37.5381, 54.7194,
44.4654


 0.9638, 2.7185,
1.2349

 52.3857, 73.9088,
61.8361

 0.0000, 0.9866,
0.0075

 70.7081, 97.1298,
83.2275

 0.0000, 0.0000,
0.0000

 92.8707, 124.7666,
109.0580

 119.2388,

157.2037, 139.7461

150.1778,
194.8255, 175.7105

■ 10.1907, 17.4963,
12.2912

■ 10.1907, 17.4963,
12.2912

■ 10.1909, 17.4969,
12.2909

■ 10.5520, 17.6610,
13.3022

■ 11.0248, 17.8815,
14.3767

■ 11.6677, 18.1883,
15.5188

■ 12.5001, 18.5914,
16.7303

■ 13.5385, 19.0995,
18.0129

■ 14.7979, 19.7200,
19.3681

■ 16.2915, 20.4599,
20.7975

■ 18.0317, 21.3255,
22.3025

■ 20.0298, 22.3226,
23.8844

Harmonies

Analogous

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



11.9921, 17.4963, 6.3689



10.1907, 17.4963, 12.2912



9.9407, 17.4963, 23.3749

Triad

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



10.1907, 17.4963, 12.2912



18.0781, 17.4963, 51.6092



23.5130, 17.4963, 7.7783

Complementary

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



10.1907, 17.4963, 12.2912



10.1281, 5.1688, 2.8477

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.



25.7974, 17.4963, 15.2953



10.1907, 17.4963, 12.2912



22.3311, 17.4963, 42.4322

Square

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



10.1907, 17.4963, 12.2912



14.0624, 17.4963, 49.6892



25.3321, 17.4963, 27.9209



19.4918, 17.4963, 4.6170

Rectangle

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



10.1907, 17.4963, 12.2912



10.6346, 17.4963, 33.0083



25.3321, 17.4963, 27.9209



24.5376, 17.4963, 9.7144

Sweetspot

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



10.1912, 17.4970, 12.2916



28.9757, 36.5400, 37.0623



9.4413, 17.3187, 2.8455



6.3039, 8.1210, 8.1410



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.1912, 17.4970, 12.2916



18.1745, 31.3024, 21.6164



9.9005, 13.0268, 24.1837



4.7378, 5.2534, 5.6307



9.7105, 16.6671, 11.7270



0.0370, 0.0591, 0.0585

Inverse Universe

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



10.1281, 5.1688, 2.8477



18.0699, 9.2290, 4.7484



9.9635, 5.5673, 0.5497



4.7314, 4.7123, 5.1980



9.6501, 4.9244, 2.7300



0.0365, 0.0183, 0.0258

Previews

White Background



This preview shows how the XYZ color 10.1907, 17.4963, 12.2912 looks on a white background.

Color Contrast Check

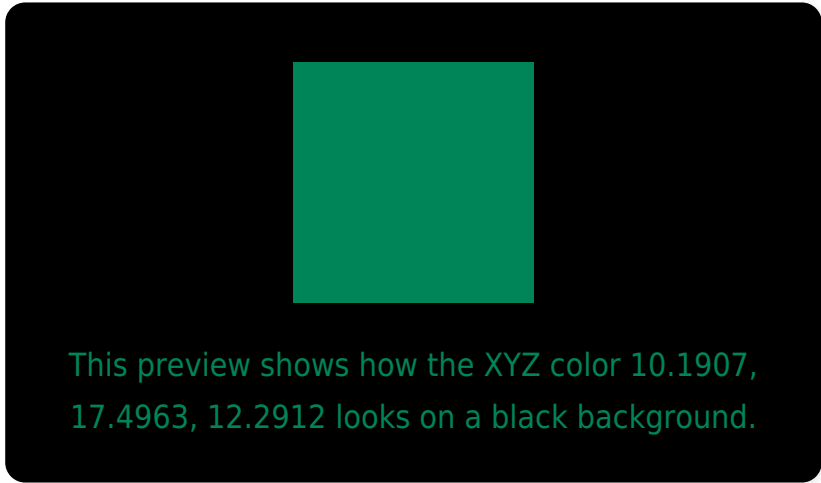
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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 10.1907, 17.4963, 12.2912

Background



This preview shows how black text looks on a background with the XYZ color 10.1907, 17.4963, 12.2912.



This preview shows how white text looks on a background with the XYZ color 10.1907, 17.4963,

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

10.1907, 17.4963, 12.2912

Protanopia

16.1880, 17.4448, 10.2986

Deuteranopia

17.5363, 17.2454, 12.9941



Tritanopia

13.2314, 17.5657, 26.3601

Trichromacy



Original Color

10.1907, 17.4963, 12.2912



Protanomaly

11.8680, 16.2646, 10.9014



Deuteranomaly

12.2749, 15.8977, 12.5468



Tritanomaly

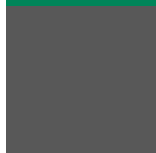
11.7471, 17.3178, 20.4928

Monochromacy



Original Color

10.1907, 17.4963, 12.2912



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.3427, 11.4460, 11.0021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1907, 17.4963, 12.2912 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, 133, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 89)  
}
```

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, 133, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 89) }
```

Border

The CSS property to change the border of an element to XYZ 10.1907, 17.4963, 12.2912 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, 133, 89) }
```


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

```
.border{ border-color:rgb(0, 133, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 133, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1907, 17.4963, 12.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 89) }
```

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

```
.background{ background-color: rgb(0, 133,  
89) }
```

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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