

Converting Colors

XYZ(10.3563, 18.1651, 12.2051)

Have a look what the booklet for
XYZ(10.3563, 18.1651, 12.2051)
contains.

XYZ(10.5656, 18.3129, 12.2104)	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(10.5656, 18.3129,
12.2104)**

Conversions

Conversions Part 1

Format	Color
Hex	008858
RGB	0, 136, 88
RGB Percent	0%, 53%, 35%
CMY	1.0000, 0.4667, 0.6549
CMYK	1.00, 0.00, 0.35, 0.47
HSL	159°, 100%, 27%
HSV	159°, 100%, 53%
XYZ	10.5656, 18.3129, 12.2104
YIQ	89.8640, -65.6480, -43.7600

Conversions

Conversions Part 2

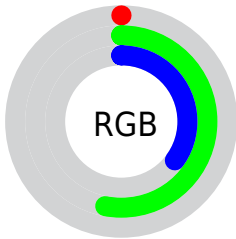
Format	Color
RYB	0, 83, 136
Decimal	34904
CIELab	49.87, -43.53, 17.13
CIELCh	50, 46.775, 158.519
Yxy	18.3129, 0.2571, 0.4457
Android (android.graphics.Color)	4278224984 (0xFF008858)
YUV	89.8640, -0.9190, -78.8107
Hunter-Lab	42.7936, -30.8177, 13.0381

Details

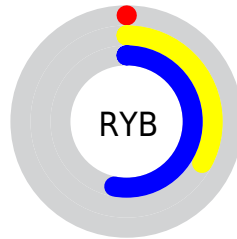
The XYZ color **10.5656, 18.3129, 12.2104** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.6874, 5.4480, 3.2854**, and the grayscale version is **9.7009, 10.2061, 11.1145**.

A 20% lighter version of the original color is **26.3942, 40.4112, 30.4538**, and **3.6664, 6.6642, 3.2836** is the 20% darker color. If you saturate the color by 10%, you get **10.5659, 18.3136, 12.2103**, and if you desaturate by 10%, it is **10.9466, 18.4860, 13.3012**.

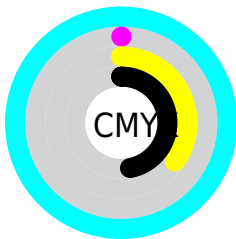
Distribution



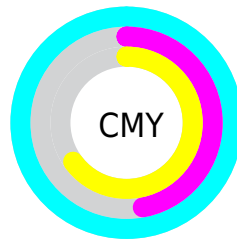
- Red (0%)
- Green (53%)
- Blue (35%)



- Red (0%)
- Yellow (33%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5656, 18.3129, 12.2104 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 10.5656, 18.3129, 12.2104 by changing the saturation by 10% instead.

■ 10.5656, 18.3129,
12.2104

■ 10.5656, 18.3129,
12.2104

188.6331,
242.6288, 216.8204

■ 5.8407, 11.1749,
6.7629

■ 26.4942, 40.5698,
30.5478

■ 2.7882, 6.1846,
3.2381

■ 38.4285, 56.4574,
44.2748

■ 1.0428, 2.9576,
1.2174

■ 53.4967, 76.0304,
61.5987

■ 0.0000, 1.1097,
0.0000

■ 72.0642, 99.6731,
82.9380

■ 0.0000, 0.0000,
0.0000

■ 94.4961, 127.7698,
108.7113

■ 121.1581,

160.7051, 139.3371

152.4152,
198.8633, 175.2339

■ 10.5656, 18.3129,
12.2104

■ 10.5656, 18.3129,
12.2104

■ 10.5659, 18.3136,
12.2103

■ 10.9466, 18.4860,
13.3012

■ 11.4478, 18.7192,
14.4668

■ 12.1295, 19.0438,
15.7118

■ 13.0123, 19.4704,
17.0382

■ 14.1137, 20.0081,
18.4482

■ 15.4495, 20.6650,
19.9435

■ 17.0338, 21.4484,
21.5260

■ 18.8796, 22.3648,
23.1974

■ 20.9991, 23.4207,
24.9592

Harmonies

Analogous

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



12.5795, 18.3129, 6.2084



10.5656, 18.3129, 12.2104



10.2094, 18.3129, 23.8164

Triad

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



10.5656, 18.3129, 12.2104



18.7115, 18.3129, 55.5742



25.0409, 18.3129, 8.1957

Complementary

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



10.5656, 18.3129, 12.2104



10.6874, 5.4480, 3.2854

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.



27.3743, 18.3129, 16.5082



10.5656, 18.3129, 12.2104



23.3315, 18.3129, 46.0926

Square

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



10.5656, 18.3129, 12.2104



14.4421, 18.3129, 52.7721



26.7002, 18.3129, 30.3899



20.7497, 18.3129, 4.6782

Rectangle

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



10.5656, 18.3129, 12.2104



10.8888, 18.3129, 34.1666



26.7002, 18.3129, 30.3899



26.1110, 18.3129, 10.3385

Sweetspot

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



10.5661, 18.3136, 12.2108



29.8206, 37.6994, 37.7463



10.1136, 18.2838, 2.9963



6.6593, 8.6086, 8.5014



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.5661, 18.3136, 12.2108



18.5441, 32.2425, 21.1200



10.9073, 14.7038, 25.5567



5.0991, 5.6591, 6.0430



10.0044, 17.3344, 11.5800



0.0734, 0.1179, 0.1137

Inverse Universe

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



10.6874, 5.4480, 3.2854



18.7655, 9.5732, 5.4310



10.3723, 5.6716, 0.5482



5.1010, 5.0759, 5.6205



10.1189, 5.1577, 3.1307



0.0737, 0.0369, 0.0549

Previews

White Background



This preview shows how the XYZ color 10.5656, 18.3129, 12.2104 looks on a white background.

Color Contrast Check

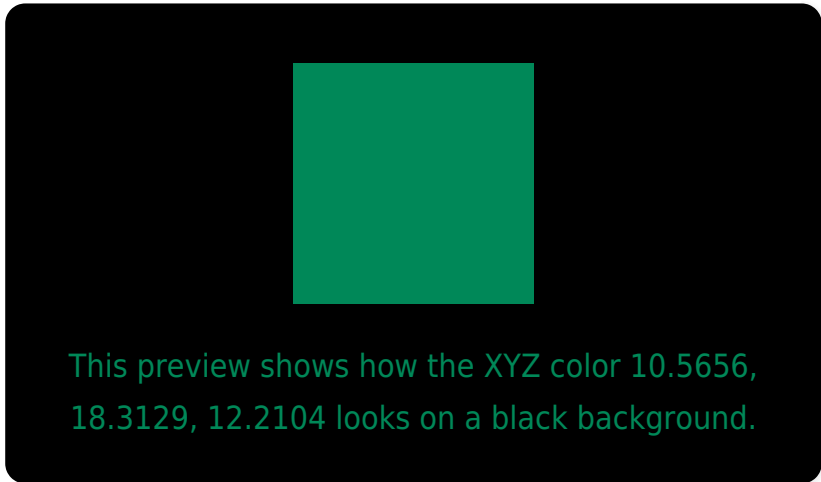
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5656, 18.3129, 12.2104

Background



This preview shows how black text looks on a background with the XYZ color 10.5656, 18.3129, 12.2104.



This preview shows how white text looks on a background with the XYZ color 10.5656, 18.3129,

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

10.5656, 18.3129, 12.2104

Protanopia

16.8285, 18.1252, 10.2010

Deuteranopia

18.3621, 18.0038, 12.8632



Tritanopia

13.9352, 18.4871, 27.6448

Trichromacy



Original Color

10.5656, 18.3129, 12.2104

Protanomaly

12.2883, 17.0411, 10.8252

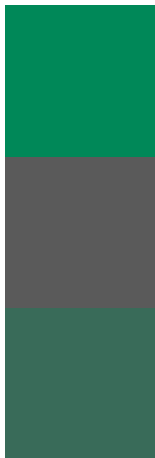
Deuteranomaly

12.7502, 16.5048, 12.4113

Tritanomaly

12.2675, 18.1743, 20.9506

Monochromacy



Original Color

10.5656, 18.3129, 12.2104

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

8.7482, 12.1065, 11.3269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5656, 18.3129, 12.2104 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, 136, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 88)  
}
```

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, 136, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 88) }
```

Border

The CSS property to change the border of an element to XYZ 10.5656, 18.3129, 12.2104 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, 136, 88) }
```


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

```
.border{ border-color:rgb(0, 136, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.5656, 18.3129, 12.2104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 88) }
```

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

```
.background{ background-color: rgb(0, 136,  
88) }
```

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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