

Converting Colors

XYZ(11.5877, 20.3030, 12.7178)

Have a look what the booklet for
XYZ(11.5877, 20.3030, 12.7178)
contains.

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Color

**XYZ(11.6256, 20.3662,
12.7695)**

Conversions

Conversions Part 1

Format	Color
Hex	008F59
RGB	0, 143, 89
RGB Percent	0%, 56%, 35%
CMY	1.0000, 0.4392, 0.6510
CMYK	1.00, 0.00, 0.38, 0.44
HSL	157°, 100%, 28%
HSV	157°, 100%, 56%
XYZ	11.6256, 20.3662, 12.7695
YIQ	94.0870, -67.8940, -47.1100

Conversions

Conversions Part 2

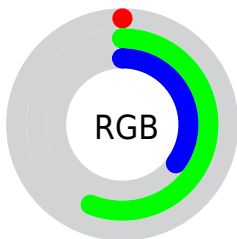
Format	Color
RYB	0, 88, 143
Decimal	36697
CIELab	52.25, -45.98, 19.77
CIELCh	52, 50.051, 156.730
Yxy	20.3662, 0.2597, 0.4550
Android (android.graphics.Color)	4278226777 (0xFF008F59)
YUV	94.0870, -2.5079, -82.5143
Hunter-Lab	45.1289, -32.9925, 14.8138

Details

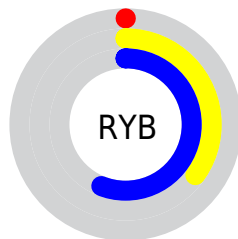
The XYZ color **11.6256, 20.3662, 12.7695** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.9942, 6.1063, 4.0372**, and the grayscale version is **10.6777, 11.2338, 12.2336**.

A 20% lighter version of the original color is **28.4216, 44.0912, 31.4386**, and **4.1771, 7.6566, 3.5432** is the 20% darker color. If you saturate the color by 10%, you get **11.6260, 20.3670, 12.7696**, and if you desaturate by 10%, it is **12.0472, 20.5569, 14.0174**.

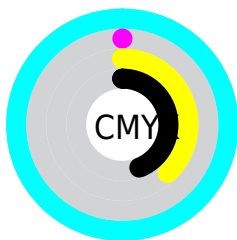
Distribution



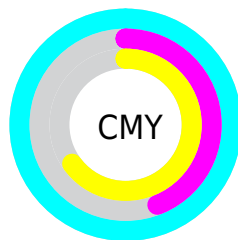
- Red (0%)
- Green (56%)
- Blue (35%)



- Red (0%)
- Yellow (35%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (44%)




- Cyan (100%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.6256, 20.3662, 12.7695 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 11.6256, 20.3662, 12.7695 by changing the saturation by 10% instead.


 11.6256, 20.3662,
12.7695


 11.6256, 20.3662,
12.7695


195.7316,
253.8907, 220.5908


 6.5597, 12.6615,
7.1412


 28.4342, 44.0303,
31.5741


 3.2321, 7.1959,
3.4708


 40.9075, 60.7585,
45.5875


 1.2777, 3.5849,
1.3397

 56.5807, 81.2633,
63.2330

 0.1664, 1.4442,
0.0940

 75.8190, 105.9292,
84.9291

 0.0000, 0.2489,
0.0000

 98.9880, 135.1405,
111.0944

 0.0000, 0.0000,
0.0000

 126.4528,

169.2815, 142.1475

158.5789,
208.7368, 178.5067

■ 11.6256, 20.3662,
12.7695

■ 11.6256, 20.3662,
12.7695

■ 11.6260, 20.3670,
12.7696

■ 12.0472, 20.5569,
14.0174

■ 12.6091, 20.8174,
15.3600

■ 13.3753, 21.1813,
16.8026

■ 14.3693, 21.6605,
18.3480

■ 15.6111, 22.2655,
19.9987

■ 17.1187, 23.0053,
21.7572

■ 18.9081, 23.8882,
23.6259

■ 20.9940, 24.9219,
25.6068

■ 23.3904, 26.1134,
27.7022

Harmonies

Analogous

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



14.0294, 20.3662, 6.3492



11.6256, 20.3662, 12.7695



11.1097, 20.3662, 25.6593

Triad

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



11.6256, 20.3662, 12.7695



20.5385, 20.3662, 63.8191



28.4051, 20.3662, 9.1925

Complementary

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



11.6256, 20.3662, 12.7695



11.9942, 6.1063, 4.0372

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.



30.9211, 20.3662, 19.0219



11.6256, 20.3662, 12.7695



25.8879, 20.3662, 53.4639

Square

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



11.6256, 20.3662, 12.7695



15.7105, 20.3662, 59.6504



29.9266, 20.3662, 35.3383



23.5292, 20.3662, 5.0149

Rectangle

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



11.6256, 20.3662, 12.7695



11.8060, 20.3662, 37.4928



29.9266, 20.3662, 35.3383



29.5909, 20.3662, 11.7277

Sweetspot

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



11.6261, 20.3670, 12.7700



33.6404, 42.6699, 42.0895



11.3886, 20.4529, 3.3477



7.4256, 9.6424, 9.3577



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.



11.6261, 20.3670, 12.7700



20.7344, 36.4386, 22.4188



12.4599, 16.9868, 28.6097



5.4751, 6.0823, 6.4675



10.2896, 18.0117, 11.3450



0.1091, 0.1765, 0.1650

Inverse Universe

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



11.9942, 6.1063, 4.0372



21.4010, 10.9039, 6.8203



11.5238, 6.2311, 0.5955



5.4879, 5.4557, 6.0671



10.6142, 5.4027, 3.6197



0.1116, 0.0557, 0.0878

Previews

White Background



This preview shows how the XYZ color 11.6256, 20.3662, 12.7695 looks on a white background.

Color Contrast Check

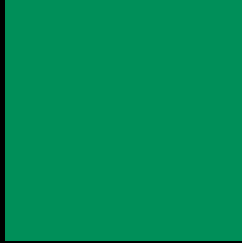
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6256, 20.3662, 12.7695 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 11.6256, 20.3662, 12.7695

Background



This preview shows how black text looks on a background with the XYZ color 11.6256, 20.3662, 12.7695.



This preview shows how white text looks on a background with the XYZ color 11.6256, 20.3662,

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

11.6256, 20.3662, 12.7695

Protanopia

18.6845, 20.1603, 10.6911

Deuteranopia

20.5164, 20.1309, 13.6308



Tritanopia

15.4359, 20.4187, 30.7314

Trichromacy



Original Color

11.6256, 20.3662, 12.7695



Protanomaly

13.5543, 18.8511, 11.3118



Deuteranomaly

14.2092, 18.5558, 13.1887



Tritanomaly

13.5942, 20.2787, 22.9364

Monochromacy



Original Color

11.6256, 20.3662, 12.7695



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.5894, 13.3217, 12.1911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6256, 20.3662, 12.7695 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, 143, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 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, 143, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 89) }
```

Border

The CSS property to change the border of an element to XYZ 11.6256, 20.3662, 12.7695 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, 143, 89) }
```


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

```
.border{ border-color:rgb(0, 143, 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, 143, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.6256, 20.3662, 12.7695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 89) }
```

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

```
.background{ background-color: rgb(0, 143,  
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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