

Converting Colors

XYZ(11.7006, 20.4183, 12.1924)

Have a look what the booklet for
XYZ(11.7006, 20.4183, 12.1924)
contains.

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Color

**XYZ(11.6833, 20.4102,
12.1279)**

Conversions

Conversions Part 1

Format	Color
Hex	0E8F56
RGB	14, 143, 86
RGB Percent	5%, 56%, 34%
CMY	0.9451, 0.4392, 0.6627
CMYK	0.90, 0.00, 0.40, 0.44
HSL	153°, 82%, 31%
HSV	153°, 90%, 56%
XYZ	11.6833, 20.4102, 12.1279
YIQ	97.9310, -58.5870, -45.0750

Conversions

Conversions Part 2

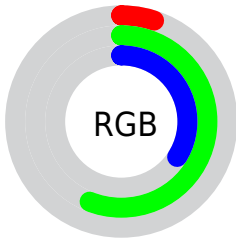
Format	Color
RYB	14, 97, 143
Decimal	954198
CIELab	52.30, -45.78, 21.53
CIELCh	52, 50.589, 154.817
Yxy	20.4102, 0.2642, 0.4615
Android (android.graphics.Color)	4279144278 (0xFF0E8F56)
YUV	97.9310, -5.8820, -73.6075
Hunter-Lab	45.1776, -32.8994, 15.7080

Details

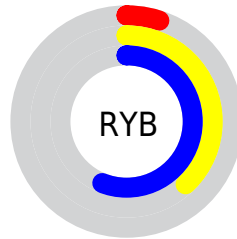
The XYZ color **11.6833, 20.4102, 12.1279** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.6228, 6.6091, 6.5728**, and the grayscale version is **11.6176, 12.2226, 13.3105**.

A 20% lighter version of the original color is **28.5685, 44.1920, 30.3167**, and **4.1241, 7.6354, 3.2639** is the 20% darker color. If you saturate the color by 10%, you get **11.2639, 20.2221, 10.8628**, and if you desaturate by 10%, it is **12.2560, 20.6752, 13.5436**.

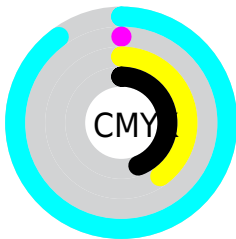
Distribution



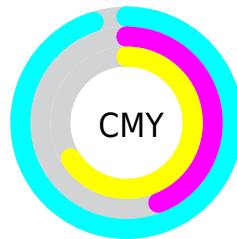
- Red (5%)
- Green (56%)
- Blue (34%)



- Red (5%)
- Yellow (38%)
- Blue (56%)



- Cyan (90%)
- Magenta (0%)
- Yellow (40%)
- Black (44%)



- Cyan (95%)
- Magenta (44%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6833, 20.4102, 12.1279 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 11.6833, 20.4102, 12.1279 by changing the saturation by 10% instead.

■ 11.6833, 20.4102,
12.1279

■ 11.6833, 20.4102,
12.1279

196.1103,
254.1272, 216.2581

■ 6.5991, 12.6936,
6.7072

■ 28.5389, 44.1039,
30.3957

■ 3.2567, 7.2179,
3.2040

■ 41.0409, 60.8497,
44.0799

■ 1.2909, 3.5987,
1.1997

■ 56.7463, 81.3740,
61.3558

■ 0.1764, 1.4517,
0.0000

■ 76.0203, 106.0612,
82.6418

■ 0.0000, 0.2544,
0.0000

■ 99.2284, 135.2958,
108.3565

■ 0.0000, 0.0000,
0.0000

■ 126.7358,

169.4620, 138.9184

158.9080,
208.9444, 174.7461

■ 11.6833, 20.4102,
12.1279

■ 11.6833, 20.4102,
12.1279

■ 11.2639, 20.2221,
10.8628

■ 12.2560, 20.6752,
13.5436

■ 13.0376, 21.0448,
15.0892

■ 14.0526, 21.5319,
16.7689

■ 15.3212, 22.1470,
18.5865

■ 16.8615, 22.8993,
20.5454

■ 18.6899, 23.7972,
22.6491

■ 20.8213, 24.8484,
24.9006

■ 23.2698, 26.0600,
27.3030

■ 26.0484, 27.4386,
29.8593

Harmonies

Analogous

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



14.2310, 20.4102, 6.0272



11.6833, 20.4102, 12.1279



11.0427, 20.4102, 24.7163

Triad

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



11.6833, 20.4102, 12.1279



20.2513, 20.4102, 64.7262



28.8228, 20.4102, 9.5531

Complementary

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



11.6833, 20.4102, 12.1279



12.6228, 6.6091, 6.5728

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.



31.1689, 20.4102, 19.9037



11.6833, 20.4102, 12.1279



25.6881, 20.4102, 55.0067

Square

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



11.6833, 20.4102, 12.1279



15.4473, 20.4102, 59.5263



29.9302, 20.4102, 36.7744



23.9736, 20.4102, 5.0746

Rectangle

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



11.6833, 20.4102, 12.1279



11.6641, 20.4102, 36.5431



29.9302, 20.4102, 36.7744



29.9662, 20.4102, 12.2389

Sweetspot

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



11.6838, 20.4110, 12.1284



34.4214, 43.0842, 41.5959



12.5787, 21.0572, 3.8172



7.6441, 9.7573, 9.2668



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.



11.6838, 20.4110, 12.1284



20.0838, 36.1784, 18.9931



14.0215, 19.8411, 29.0783



5.4609, 6.0766, 6.3932



9.9697, 17.8837, 9.6605



0.1064, 0.1754, 0.1509

Inverse Universe

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



12.6228, 6.6091, 6.5728



21.8189, 11.0710, 9.0207



11.6657, 6.3881, 1.0339



5.5017, 5.4612, 6.1398



10.8241, 5.4866, 4.7248



0.1143, 0.0568, 0.1020

Previews

White Background



This preview shows how the XYZ color 11.6833, 20.4102, 12.1279 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 11.6833, 20.4102, 12.1279 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 11.6833, 20.4102, 12.1279

Background



This preview shows how black text looks on a background with the XYZ color 11.6833, 20.4102, 12.1279.



This preview shows how white text looks on a background with the XYZ color 11.6833, 20.4102,

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

11.6833, 20.4102, 12.1279

Protanopia

18.5745, 20.1163, 10.1116

Deuteranopia

20.5612, 20.1694, 12.9346



Tritanopia

15.5388, 20.4718, 30.7362

Trichromacy



Original Color

11.6833, 20.4102, 12.1279

Protanomaly

13.9159, 19.0508, 10.7283

Deuteranomaly

14.7102, 18.8292, 12.5319

Tritanomaly

13.7710, 20.3772, 22.6094

Monochromacy



Original Color

11.6833, 20.4102, 12.1279

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.3524, 14.0361, 12.7533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6833, 20.4102, 12.1279 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(14, 143, 86)` looks like.

```
.text, #text, p{  
    color:rgb(14, 143, 86)  
}
```

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(14, 143, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 143, 86) }
```

Border

The CSS property to change the border of an element to XYZ 11.6833, 20.4102, 12.1279 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(14, 143, 86) }
```


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

```
.border{ border-color:rgb(14, 143, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 143, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 143, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 143, 86);  
box-shadow:4px 4px 4px 4px rgb(14, 143,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6833, 20.4102, 12.1279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 143, 86) }
```

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

```
.background{ background-color: rgb(14, 143,  
86) }
```

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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