

Converting Colors

XYZ(10.0316, 16.6361, 12.0884)

Have a look what the booklet for
XYZ(10.0316, 16.6361, 12.0884)
contains.

XYZ(10.0301, 16.6160, 12.1298)	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(10.0301, 16.6160,
12.1298)**

Conversions

Conversions Part 1

Format	Color
Hex	188159
RGB	24, 129, 89
RGB Percent	9%, 51%, 35%
CMY	0.9059, 0.4941, 0.6510
CMYK	0.81, 0.00, 0.31, 0.49
HSL	157°, 69%, 30%
HSV	157°, 81%, 51%
XYZ	10.0301, 16.6160, 12.1298
YIQ	93.0450, -49.7400, -34.7000

Conversions

Conversions Part 2

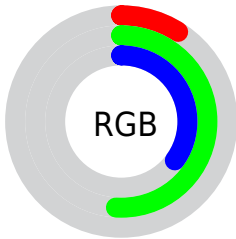
Format	Color
R_{YB}	24, 89, 129
Decimal	1605977
CIE _{Lab}	47.77, -38.60, 13.72
CIE _{LCh}	48, 40.967, 160.435
Yxy	16.6160, 0.2587, 0.4285
Android (android.graphics.Color)	4279796057 (0xFF188159)
YUV	93.0450, -1.9942, -60.5525
Hunter-Lab	40.7627, -27.4130, 10.8909

Details

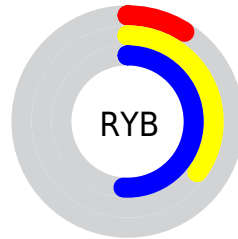
The XYZ color **10.0301, 16.6160, 12.1298** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.3058, 5.6909, 5.4062**, and the grayscale version is **10.4282, 10.9713, 11.9477**.

A 20% lighter version of the original color is **25.5242, 37.7573, 30.3687**, and **3.2320, 5.7664, 3.2282** is the 20% darker color. If you saturate the color by 10%, you get **9.5936, 16.4145, 11.0681**, and if you desaturate by 10%, it is **10.6266, 16.8993, 13.2717**.

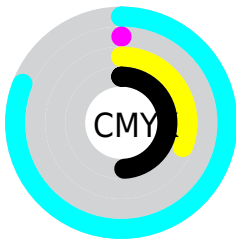
Distribution



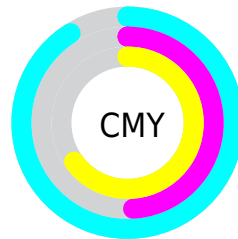
- Red (9%)
- Green (51%)
- Blue (35%)



- Red (9%)
- Yellow (35%)
- Blue (51%)



- Cyan (81%)
- Magenta (0%)
- Yellow (31%)
- Black (49%)



- Cyan (91%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0301, 16.6160, 12.1298 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 10.0301, 16.6160, 12.1298 by changing the saturation by 10% instead.

■ 10.0301, 16.6160,
12.1298

■ 10.0301, 16.6160,
12.1298

184.9359,
232.9497, 216.2710

■ 5.4813, 9.9611,
6.7085

■ 25.5013, 37.6644,
30.3992

■ 2.5700, 5.3732,
3.2048

■ 37.1544, 52.8266,
44.0844

■ 0.9307, 2.4678,
1.2001

■ 51.9063, 71.5934,
61.3614

■ 0.0000, 0.8605,
0.0000

■ 70.1224, 94.3492,
82.6486

■ 0.0000, 0.0000,
0.0000

■ 92.1681, 121.4783,
108.3647

■ 118.4087,

153.3651, 138.9280

149.2095,
190.3941, 174.7573

■ 10.0301, 16.6160,
12.1298

■ 10.0301, 16.6160,
12.1298

■ 9.5936, 16.4145,
11.0681

■ 10.6266, 16.8993,
13.2717

■ 9.2933, 16.2782,
10.2141

■ 11.4003, 17.2719,
14.4949

■ 12.3673, 17.7424,
15.8017

■ 13.5416, 18.3182,
17.1941

■ 14.9359, 19.0057,
18.6740

■ 16.5618, 19.8108,
20.2430

■ 18.4300, 20.7391,
21.9030

■ 20.5505, 21.7957,
23.6556

■ 22.9330, 22.9855,
25.5023

Harmonies

Analogous

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



11.6416, 16.6160, 6.6522



10.0301, 16.6160, 12.1298



9.8167, 16.6160, 22.0077

Triad

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



10.0301, 16.6160, 12.1298



17.1068, 16.6160, 46.1581



21.8003, 16.6160, 7.8900

Complementary

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



10.0301, 16.6160, 12.1298



10.3058, 5.6909, 5.4062

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.



23.8050, 16.6160, 14.6707



10.0301, 16.6160, 12.1298



20.8298, 16.6160, 38.2622

Square

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



10.0301, 16.6160, 12.1298



13.5445, 16.6160, 44.6201



23.4247, 16.6160, 25.7441



18.2776, 16.6160, 4.9438

Rectangle

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



10.0301, 16.6160, 12.1298



10.4536, 16.6160, 30.3914



23.4247, 16.6160, 25.7441



22.6970, 16.6160, 9.6597

Sweetspot

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



10.0305, 16.6167, 12.1302



28.6889, 34.9952, 35.3417



10.1462, 16.8656, 3.5849



6.2952, 7.8227, 7.8085



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.0305, 16.6167, 12.1302



16.6741, 29.1674, 18.2418



10.6718, 14.4442, 22.9953



4.3791, 4.8600, 5.1677



9.0628, 15.8717, 9.9692



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.3058, 5.6909, 5.4062



17.2382, 8.8266, 5.9802



9.8570, 6.0103, 1.5048



4.3903, 4.3693, 4.8598



9.3724, 4.7687, 3.2851



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.0301, 16.6160, 12.1298 looks on a white background.

Color Contrast Check

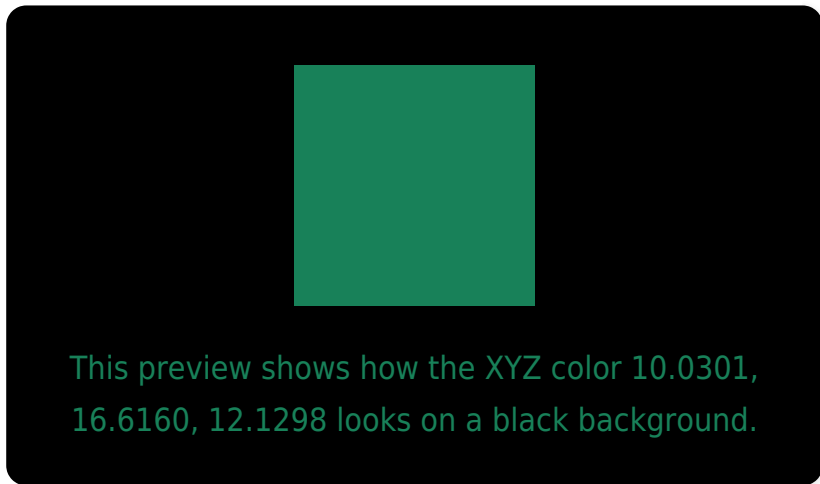
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0301, 16.6160, 12.1298

Background



This preview shows how black text looks on a background with the XYZ color 10.0301, 16.6160, 12.1298.



This preview shows how white text looks on a background with the XYZ color 10.0301, 16.6160,

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

10.0301, 16.6160, 12.1298

Protanopia

15.3133, 16.4844, 10.3574

Deuteranopia

16.5889, 16.2791, 12.8575



Tritanopia

12.5832, 16.5123, 24.7143

Trichromacy



Original Color

10.0301, 16.6160, 12.1298

Protanomaly

12.0743, 15.8280, 11.0131

Deuteranomaly

12.4915, 15.4876, 12.4563

Tritanomaly

11.4196, 16.4027, 19.3938

Monochromacy



Original Color

10.0301, 16.6160, 12.1298

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.4697, 12.3097, 12.0021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0301, 16.6160, 12.1298 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(24, 129, 89)` looks like.

```
.text, #text, p{  
    color:rgb(24, 129, 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(24, 129, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 129, 89) }
```

Border

The CSS property to change the border of an element to XYZ 10.0301, 16.6160, 12.1298 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(24, 129, 89) }
```


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

```
.border{ border-color:rgb(24, 129, 89) }
```

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

Here you see how a box with a 4 pixel rgb(24, 129, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 129, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 129, 89);  
box-shadow:4px 4px 4px 4px rgb(24, 129,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0301, 16.6160, 12.1298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 129, 89) }
```

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

```
.background{ background-color: rgb(24, 129,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor