

Converting Colors

XYZ(11.6805, 16.0849, 16.9248)

Have a look what the booklet for
XYZ(11.6805, 16.0849, 16.9248)
contains.

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Color

**XYZ(11.6443, 16.0153,
16.9455)**

Conversions

Conversions Part 1

Format	Color
Hex	3D7A6D
RGB	61, 122, 109
RGB Percent	24%, 48%, 43%
CMY	0.7608, 0.5216, 0.5725
CMYK	0.50, 0.00, 0.11, 0.52
HSL	167°, 33%, 36%
HSV	167°, 50%, 48%
XYZ	11.6443, 16.0153, 16.9455
YIQ	102.2790, -32.1830, -16.9750

Conversions

Conversions Part 2

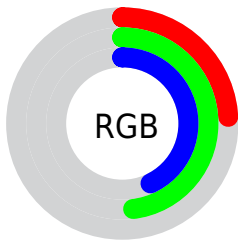
Format	Color
RYB	61, 95, 122
Decimal	4029037
CIELab	46.99, -23.20, 1.03
CIElCh	47, 23.222, 177.452
Yxy	16.0153, 0.2611, 0.3590
Android (android.graphics.Color)	4282219117 (0xFF3D7A6D)
YUV	102.2790, 3.3135, -36.2017
Hunter-Lab	40.0191, -18.0956, 2.9079

Details

The XYZ color **11.6443, 16.0153, 16.9455** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9313, 7.9699, 7.4413**, and the grayscale version is **12.7003, 13.3617, 14.5509**.

A 20% lighter version of the original color is **28.4852, 36.7087, 38.8419**, and **3.2646, 5.1193, 5.3735** is the 20% darker color. If you saturate the color by 10%, you get **10.8393, 15.6166, 16.1881**, and if you desaturate by 10%, it is **12.6253, 16.5050, 17.7334**.

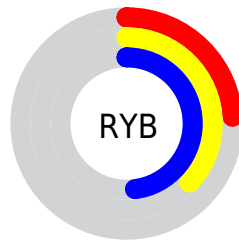
Distribution



Red (24%)

Green (48%)

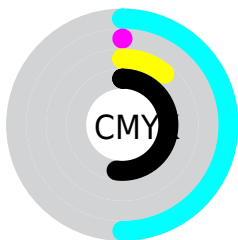
Blue (43%)



Red (24%)

Yellow (37%)

Blue (48%)

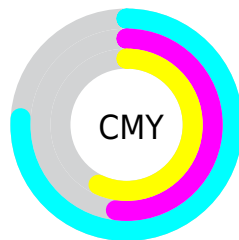


Cyan (50%)

Magenta (0%)

Yellow (11%)

Black (52%)



Cyan (76%)

Magenta (52%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6443, 16.0153, 16.9455 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 11.6443, 16.0153, 16.9455 by changing the saturation by 10% instead.

■ 11.6443, 16.0153,
16.9455

■ 11.6443, 16.0153,
16.9455

195.8544,
229.4320, 246.8914

■ 6.5724, 9.5350,
10.0341

■ 28.4681, 36.6248,
39.0214

■ 3.2401, 5.0917,
5.3157

■ 40.9508, 51.5227,
55.0230

■ 1.2820, 2.3012,
2.3717

■ 56.6344, 69.9953,
74.8917

■ 0.1697, 0.7743,
0.7710

■ 75.8843, 92.4269,
99.0461

■ 0.0000, 0.0000,
0.0000

■ 99.0659, 119.2020,
127.9048

■ 126.5446,

150.7050, 161.8862

158.6856,
187.3202, 201.4089

■ 11.6443, 16.0153,
16.9455

■ 11.6443, 16.0153,
16.9455

■ 10.8393, 15.6166,
16.1881

■ 12.6253, 16.5050,
17.7334

■ 10.1971, 15.3010,
15.4595

■ 13.7915, 17.0893,
18.5515

■ 9.7049, 15.0623,
14.7591

■ 15.1533, 17.7739,
19.4006

■ 9.3473, 14.8925,
14.0861

■ 16.7197, 18.5636,
20.2816

■ 9.0711, 14.7642,
13.4378

■ 18.4993, 19.4626,
21.1948

■ 9.0711, 14.7641,
13.4378

■ 20.5001, 20.4752,
22.1409

■ 22.7297, 21.6053,
23.1204

■ 25.1955, 22.8565,
24.1338

■ 27.9043, 24.2326,
25.1816

Harmonies

Analogous

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



12.1616, 16.0153, 12.0861



11.6443, 16.0153, 16.9455



12.0127, 16.0153, 23.1193

Triad

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



11.6443, 16.0153, 16.9455



17.0945, 16.0153, 29.3657



17.4214, 16.0153, 9.6068

Complementary

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



11.6443, 16.0153, 16.9455



10.9313, 7.9699, 7.4413

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.



18.9574, 16.0153, 12.7731



11.6443, 16.0153, 16.9455



18.7572, 16.0153, 24.1742

Square

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



11.6443, 16.0153, 16.9455



15.0491, 16.0153, 31.1685



19.4665, 16.0153, 17.9398



15.3963, 16.0153, 8.4808

Rectangle

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



11.6443, 16.0153, 16.9455



12.7310, 16.0153, 27.0442



19.4665, 16.0153, 17.9398



18.0186, 16.0153, 10.4276

Sweetspot

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



11.6448, 16.0159, 16.9459



27.8904, 31.8893, 34.8419



10.6431, 15.7211, 6.8887



6.2728, 7.2389, 7.9073



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.6448, 16.0159, 16.9459



18.8881, 27.3841, 28.2901



10.4606, 12.4433, 20.2636



4.0722, 4.4985, 4.9142



9.5470, 15.5424, 14.1311



45.2193, 74.0108, 65.7183

Inverse Universe

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



10.9313, 7.9699, 7.4413



17.4901, 11.4925, 9.5731



11.6134, 9.9641, 5.7263



4.0300, 4.0277, 4.3559



8.6437, 4.4336, 1.4149



40.9694, 21.0441, 5.3688

Previews

White Background



This preview shows how the XYZ color 11.6443, 16.0153, 16.9455 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



This preview shows how the XYZ color 11.6443, 16.0153, 16.9455 looks on a 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 11.6443, 16.0153, 16.9455

Background



This preview shows how black text looks on a background with the XYZ color 11.6443, 16.0153, 16.9455.



This preview shows how white text looks on a background with the XYZ color 11.6443, 16.0153,

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

11.6443, 16.0153, 16.9455

Protanopia

15.0943, 15.7760, 15.0815

Deuteranopia

16.0675, 15.7502, 17.5225



Tritanopia

12.8740, 15.9719, 23.1732

Trichromacy



Original Color

11.6443, 16.0153, 16.9455

Protanomaly

13.2864, 15.4874, 15.6537

Deuteranomaly

13.8090, 15.3887, 17.2814

Tritanomaly

12.4093, 15.9619, 20.8393

Monochromacy



Original Color

11.6443, 16.0153, 16.9455

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.9489, 13.9834, 15.4339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6443, 16.0153, 16.9455 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(61, 122, 109)` looks like.

```
.text, #text, p{  
    color:rgb(61, 122, 109)  
}
```

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(61, 122, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 122, 109) }
```

Border

The CSS property to change the border of an element to XYZ 11.6443, 16.0153, 16.9455 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(61, 122, 109) }
```


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

```
.border{ border-color:rgb(61, 122, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 122, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 122, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 122, 109);  
box-shadow:4px 4px 4px 4px rgb(61, 122,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6443, 16.0153, 16.9455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 122, 109) }
```

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

```
.background{ background-color: rgb(61, 122,  
109) }
```

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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