

Converting Colors

XYZ(15.6336, 19.2060, 12.6736)

Have a look what the booklet for
XYZ(15.6336, 19.2060, 12.6736)
contains.

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Color

**XYZ(15.6709, 19.3195,
12.8006)**

Conversions

Conversions Part 1

Format	Color
Hex	6B805B
RGB	107, 128, 91
RGB Percent	42%, 50%, 36%
CMY	0.5804, 0.4980, 0.6431
CMYK	0.16, 0.00, 0.29, 0.50
HSL	94°, 17%, 43%
HSV	94°, 29%, 50%
XYZ	15.6709, 19.3195, 12.8006
YIQ	117.5030, -0.6390, -15.9590

Conversions

Conversions Part 2

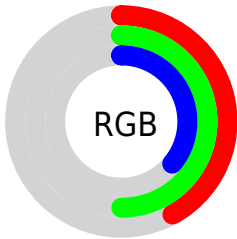
Format	Color
RYB	91, 128, 112
Decimal	7045211
CIELab	51.06, -14.88, 17.64
CIELCh	51, 23.077, 130.137
Yxy	19.3195, 0.3279, 0.4042
Android (android.graphics.Color)	4285235291 (0xFF6B805B)
YUV	117.5030, -13.0660, -9.2111
Hunter-Lab	43.9540, -13.2788, 13.5009

Details

The XYZ color **15.6709, 19.3195, 12.8006** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.3203, 12.4860, 22.0784**, and the grayscale version is **17.1047, 17.9955, 19.5971**.

A 20% lighter version of the original color is **35.6297, 42.3418, 31.4942**, and **5.0733, 6.7112, 3.5106** is the 20% darker color. If you saturate the color by 10%, you get **14.3282, 18.6863, 10.0972**, and if you desaturate by 10%, it is **17.1823, 20.0299, 16.0044**.

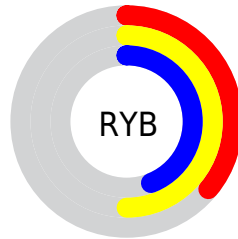
Distribution



Red (42%)

Green (50%)

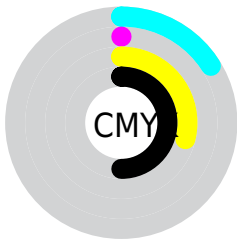
Blue (36%)



Red (36%)

Yellow (50%)

Blue (44%)

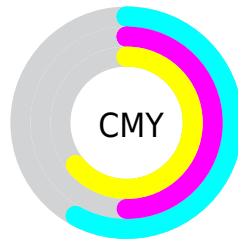


Cyan (16%)

Magenta (0%)

Yellow (29%)

Black (50%)



Cyan (58%)

Magenta (50%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6709, 19.3195, 12.8006 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 15.6709, 19.3195, 12.8006 by changing the saturation by 10% instead.

■ 15.6709, 19.3195,
12.8006

■ 15.6709, 19.3195,
12.8006

220.7006,
248.2069, 220.7985

■ 9.3809, 11.9014,
7.1623

■ 35.5880, 42.2733,
31.6310

■ 5.0496, 6.6766,
3.4838

■ 49.9459, 58.5777,
45.6602

■ 2.3114, 3.2607,
1.3467

■ 67.7237, 78.6131,
63.3233

■ 0.8005, 1.2693,
0.0996

■ 89.2869, 102.7637,
85.0391

■ 0.0000, 0.1172,
0.0000

115.0009,
131.4140, 111.2259

■ 0.0000, 0.0000,
0.0000

145.2309,

164.9484, 142.3024

180.3424,
203.7512, 178.6871

■ 15.6709, 19.3195,
12.8006

■ 15.6709, 19.3195,
12.8006

■ 14.3282, 18.6863,
10.0972

■ 17.1823, 20.0299,
16.0044

■ 13.1460, 18.1250,
7.8677

■ 18.8670, 20.8176,
19.7309

■ 12.1178, 17.6334,
6.0850

■ 20.7313, 21.6861,
24.0025

■ 11.2360, 17.2081,
4.7190

■ 22.7808, 22.6378,
28.8398

■ 10.4919, 16.8455,
3.7354

■ 25.0209, 23.6748,
34.2625

■ 9.8762, 16.5416,
3.0949

■ 27.4564, 24.7995,
40.2893

■ 9.3660, 16.2870,
2.6902

■ 30.0924, 26.0140,
46.9382

■ 9.3142, 16.2612,
2.6478

■ 32.9335, 27.3203,
54.2261

■ 35.9842, 28.7203,
62.1695

Harmonies

Analogous

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



17.5994, 19.3195, 10.9130



15.6709, 19.3195, 12.8006



14.5289, 19.3195, 17.0395

Triad

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



15.6709, 19.3195, 12.8006



16.9084, 19.3195, 35.2453



23.0413, 19.3195, 18.8958

Complementary

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



15.6709, 19.3195, 12.8006



14.3203, 12.4860, 22.0784

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.



22.8175, 19.3195, 25.6123



15.6709, 19.3195, 12.8006



19.1476, 19.3195, 36.0309

Square

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



15.6709, 19.3195, 12.8006



15.2012, 19.3195, 30.2447



21.3461, 19.3195, 32.2096



21.9344, 19.3195, 13.9160

Rectangle

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



15.6709, 19.3195, 12.8006



14.3063, 19.3195, 21.0657



21.3461, 19.3195, 32.2096



23.1212, 19.3195, 21.0056

Sweetspot

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



15.6714, 19.3203, 12.8010



33.1230, 36.6071, 34.5270



16.5817, 16.9263, 12.2909



7.6641, 8.5283, 7.8797



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.



15.6714, 19.3203, 12.8010



25.9283, 33.2308, 19.1618



14.0307, 18.4620, 13.2890



4.4387, 4.9026, 4.6325



9.2367, 16.1241, 2.6254



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.3203, 12.4860, 22.0784



23.1228, 19.0473, 38.4141



16.3798, 13.5662, 21.3374



4.3241, 4.3227, 5.4197



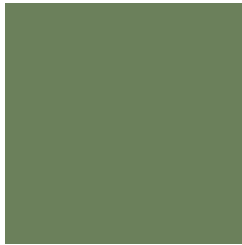
6.5637, 2.9374, 20.4710



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.6709, 19.3195, 12.8006 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 15.6709, 19.3195, 12.8006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

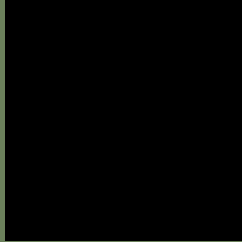
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6709, 19.3195, 12.8006

Background



This preview shows how black text looks on a background with the XYZ color 15.6709, 19.3195, 12.8006.



This preview shows how white text looks on a background with the XYZ color 15.6709, 19.3195,

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

15.6709, 19.3195, 12.8006

Protanopia

17.8047, 19.1252, 11.9856

Deuteranopia

19.3765, 19.0319, 13.0082



Tritanopia

18.0579, 19.3426, 24.6115

Trichromacy



Original Color

15.6709, 19.3195, 12.8006

Protanomaly

17.0369, 19.2741, 12.2735

Deuteranomaly

17.7015, 18.8728, 12.8351

Tritanomaly

17.1000, 19.3311, 19.6596

Monochromacy



Original Color

15.6709, 19.3195, 12.8006

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.6057, 18.5792, 16.8983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6709, 19.3195, 12.8006 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(107, 128, 91)` looks like.

```
.text, #text, p{  
    color:rgb(107, 128, 91)  
}
```

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(107, 128, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 128, 91) }
```

Border

The CSS property to change the border of an element to XYZ 15.6709, 19.3195, 12.8006 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(107, 128, 91) }
```


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

```
.border{ border-color:rgb(107, 128, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 128, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 128, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 128, 91);  
box-shadow:4px 4px 4px 4px rgb(107, 128,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6709, 19.3195, 12.8006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 128, 91) }
```

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

```
.background{ background-color: rgb(107,  
128, 91) }
```

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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