

Converting Colors

XYZ(12.6628, 16.1046, 11.0662)

Have a look what the booklet for
XYZ(12.6628, 16.1046, 11.0662)
contains.

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Color

**XYZ(12.6502, 16.1248,
11.0400)**

Conversions

Conversions Part 1

Format	Color
Hex	5C7755
RGB	92, 119, 85
RGB Percent	36%, 47%, 33%
CMY	0.6392, 0.5333, 0.6667
CMYK	0.23, 0.00, 0.29, 0.53
HSL	108°, 17%, 40%
HSV	108°, 29%, 47%
XYZ	12.6502, 16.1248, 11.0400
YIQ	107.0510, -5.1780, -16.2980

Conversions

Conversions Part 2

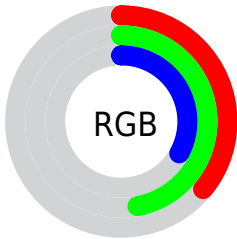
Format	Color
R_{YB}	85, 119, 112
Decimal	6059861
CIE _{Lab}	47.14, -16.86, 15.60
CIE _{LCh}	47, 22.970, 137.231
Yxy	16.1248, 0.3177, 0.4050
Android (android.graphics.Color)	4284249941 (0xFF5C7755)
YUV	107.0510, -10.8711, -13.1997
Hunter-Lab	40.1557, -14.0398, 11.8084

Details

The XYZ color **12.6502, 16.1248, 11.0400** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.2609, 11.2740, 18.9307**, and the grayscale version is **14.0199, 14.7500, 16.0627**.

A 20% lighter version of the original color is **30.2638, 36.7147, 28.4133**, and **3.6554, 5.0914, 2.7976** is the 20% darker color. If you saturate the color by 10%, you get **11.3309, 15.4952, 8.7146**, and if you desaturate by 10%, it is **14.1677, 16.8483, 13.7905**.

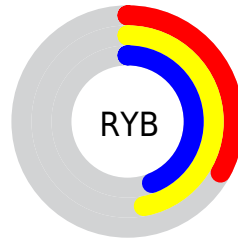
Distribution



Red (36%)

Green (47%)

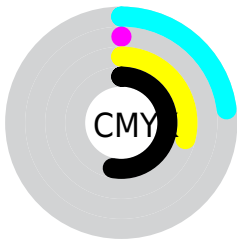
Blue (33%)



Red (33%)

Yellow (47%)

Blue (44%)

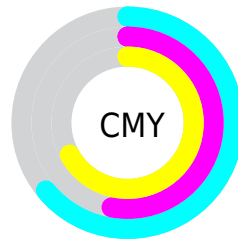


Cyan (23%)

Magenta (0%)

Yellow (29%)

Black (53%)



Cyan (64%)

Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6502, 16.1248, 11.0400 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 12.6502, 16.1248, 11.0400 by changing the saturation by 10% instead.

■ 12.6502, 16.1248,
11.0400

■ 12.6502, 16.1248,
11.0400

202.3468,
230.0770, 208.6890

■ 7.2635, 9.6125,
5.9792

■ 30.2806, 36.8147,
28.3719

■ 3.6752, 5.1428,
2.7639

■ 43.2550, 51.7612,
41.4801

■ 1.5201, 2.3313,
0.9754

■ 59.4892, 70.2877,
58.1079

■ 0.3394, 0.7902,
0.0000

■ 79.3488, 92.7789,
78.6737

■ 0.0000, 0.0000,
0.0000

■ 103.1989,
119.6190, 103.5962

131.4051,

151.1925, 133.2939

164.3326,
187.8837, 168.1854

■ 12.6502, 16.1248,
11.0400

■ 12.6502, 16.1248,
11.0400

■ 11.3309, 15.4952,
8.7146

■ 14.1677, 16.8483,
13.7905

■ 10.2001, 14.9537,
6.7920

■ 15.8899, 17.6672,
16.9847

■ 9.2496, 14.4968,
5.2498

■ 17.8247, 18.5857,
20.6414

■ 8.4695, 14.1201,
4.0625

■ 19.9789, 19.6069,
24.7780

■ 7.8493, 13.8188,
3.2018

■ 22.3593, 20.7339,
29.4109

■ 7.3770, 13.5874,
2.6352

■ 24.9722, 21.9698,
34.5559

■ 7.0286, 13.4156,
2.2678

■ 27.8239, 23.3173,
40.2281

■ 6.9858, 13.3946,
2.2172

■ 30.9201, 24.7791,
46.4417

■ 34.2666, 26.3579,
53.2108

Harmonies

Analogous

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



14.2051, 16.1248, 8.9376



12.6502, 16.1248, 11.0400



11.8444, 16.1248, 15.2136

Triad

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



12.6502, 16.1248, 11.0400



14.4843, 16.1248, 30.7798



19.3395, 16.1248, 14.4664

Complementary

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



12.6502, 16.1248, 11.0400



13.2609, 11.2740, 18.9307

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.



19.4309, 16.1248, 20.1299



12.6502, 16.1248, 11.0400



16.5047, 16.1248, 30.4553

Square

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



12.6502, 16.1248, 11.0400



12.8391, 16.1248, 27.0450



18.3551, 16.1248, 26.2370



18.1152, 16.1248, 10.5969

Rectangle

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



12.6502, 16.1248, 11.0400



11.7897, 16.1248, 18.9936



18.3551, 16.1248, 26.2370



19.5073, 16.1248, 16.1950

Sweetspot

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



12.6506, 16.1255, 11.0404



28.2392, 31.5340, 30.0129



15.0018, 16.0861, 10.9088



6.5996, 7.4292, 6.9393



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.



12.6506, 16.1255, 11.0404



21.1256, 28.1461, 17.0628



12.3925, 15.9452, 13.1642



3.7046, 4.1312, 3.9444



7.4146, 14.2267, 2.3552



35.5426, 69.0246, 11.4498

Inverse Universe

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



13.2609, 11.2740, 18.9307



22.3970, 18.0077, 33.5485



13.6369, 11.5314, 16.0793



3.7564, 3.7217, 4.6106



8.4888, 3.9675, 18.8610



40.6472, 18.9629, 91.8781

Previews

White Background



This preview shows how the XYZ color 12.6502, 16.1248, 11.0400 looks on a white background.

Color Contrast Check

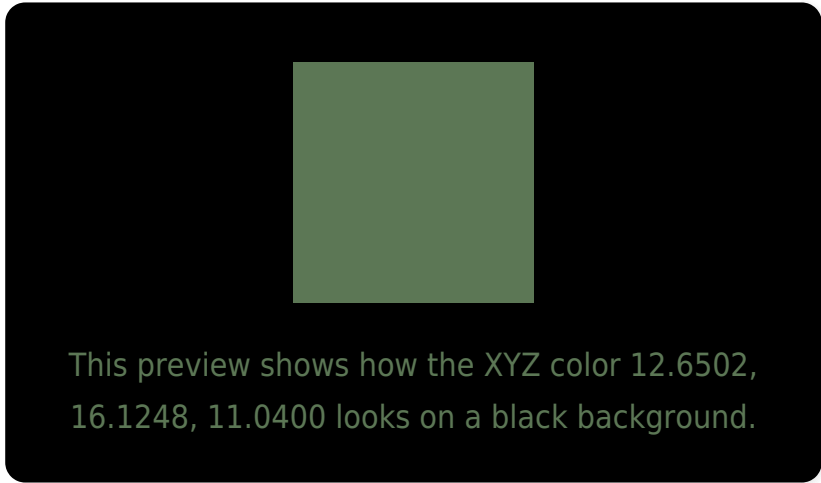
Large Text (above 18pt) WCAG AA ✓ Pass

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

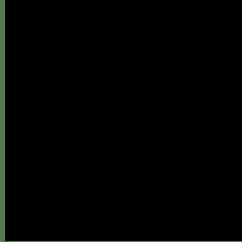
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6502, 16.1248, 11.0400

Background



This preview shows how black text looks on a background with the XYZ color 12.6502, 16.1248, 11.0400.



This preview shows how white text looks on a background with the XYZ color 12.6502, 16.1248,

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

12.6502, 16.1248, 11.0400

Protanopia

14.9532, 15.9711, 10.2773

Deuteranopia

16.2251, 15.9658, 11.4591



Tritanopia

14.6295, 16.0614, 21.0680

Trichromacy



Original Color

12.6502, 16.1248, 11.0400

Protanomaly

14.0091, 15.9742, 10.5286

Deuteranomaly

14.6072, 15.7700, 11.2909

Tritanomaly

13.8296, 16.0817, 16.8432

Monochromacy



Original Color

12.6502, 16.1248, 11.0400

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4161, 15.0945, 14.0108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6502, 16.1248, 11.0400 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(92, 119, 85)` looks like.

```
.text, #text, p{  
    color:rgb(92, 119, 85)  
}
```

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(92, 119, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 119, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.6502, 16.1248, 11.0400 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(92, 119, 85) }
```


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

```
.border{ border-color:rgb(92, 119, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 119, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 119, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 119, 85);  
box-shadow:4px 4px 4px 4px rgb(92, 119,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6502, 16.1248, 11.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 119, 85) }
```

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

```
.background{ background-color: rgb(92, 119,  
85) }
```

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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