

Converting Colors

XYZ(12.1617, 16.8095, 10.4708)

Have a look what the booklet for
XYZ(12.1617, 16.8095, 10.4708)
contains.

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Color

**XYZ(12.1725, 16.8032,
10.3864)**

Conversions

Conversions Part 1

Format	Color
Hex	527C51
RGB	82, 124, 81
RGB Percent	32%, 49%, 32%
CMY	0.6784, 0.5137, 0.6823
CMYK	0.34, 0.00, 0.35, 0.51
HSL	119°, 21%, 40%
HSV	119°, 35%, 49%
XYZ	12.1725, 16.8032, 10.3864
YIQ	106.5400, -11.2290, -22.2770

Conversions

Conversions Part 2

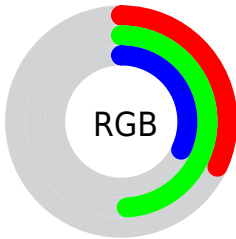
Format	Color
R_{YB}	81, 124, 123
Decimal	5405777
CIE _{Lab}	48.01, -23.88, 18.98
CIE _{LCh}	48, 30.505, 141.522
Yxy	16.8032, 0.3092, 0.4269
Android (android.graphics.Color)	4283595857 (0xFF527C51)
YUV	106.5400, -12.5912, -21.5216
Hunter-Lab	40.9917, -18.7299, 13.6714

Details

The XYZ color **12.1725, 16.8032, 10.3864** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.7497, 11.5516, 20.5219**, and the grayscale version is **13.8842, 14.6072, 15.9073**.

A 20% lighter version of the original color is **29.4917, 38.0695, 27.2665**, and **3.4942, 5.4996, 2.5464** is the 20% darker color. If you saturate the color by 10%, you get **10.7875, 16.1386, 8.1120**, and if you desaturate by 10%, it is **13.8292, 17.5990, 13.1175**.

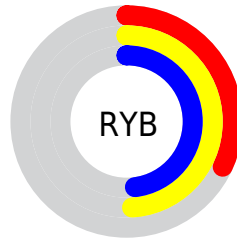
Distribution



Red (32%)

Green (49%)

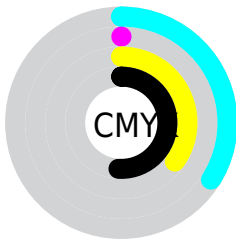
Blue (32%)



Red (32%)

Yellow (49%)

Blue (48%)

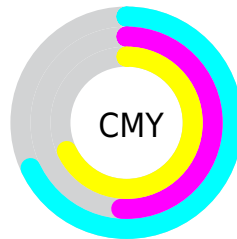


Cyan (34%)

Magenta (0%)

Yellow (35%)

Black (51%)



Cyan (68%)

Magenta (51%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1725, 16.8032, 10.3864 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 12.1725, 16.8032, 10.3864 by changing the saturation by 10% instead.

■ 12.1725, 16.8032,
10.3864

■ 12.1725, 16.8032,
10.3864

199.2906,
234.0357, 203.9921

■ 6.9343, 10.0943,
5.5470

■ 29.4230, 37.9871,
27.1389

■ 3.4670, 5.4615,
2.5073

■ 42.1661, 53.2309,
39.8890

■ 1.4053, 2.5205,
0.8440

■ 58.1414, 72.0884,
56.1131

■ 0.2600, 0.8869,
0.0000

■ 77.7145, 94.9440,
76.2297

■ 0.0000, 0.0000,
0.0000

■ 101.2506,
122.1821, 100.6574

129.1151,

154.1872, 129.8146

161.6733,
191.3436, 164.1200

■ 12.1725, 16.8032,
10.3864

■ 12.1725, 16.8032,
10.3864

■ 10.7875, 16.1386,
8.1120

■ 13.8292, 17.5990,
13.1175

■ 9.6586, 15.5963,
6.2685

■ 15.7698, 18.5304,
16.3273

■ 8.7705, 15.1694,
4.8290


■ 18.0071, 19.6040,
20.0375


■ 8.1056, 14.8495,
3.7632


■ 20.5528, 20.8253,
24.2682

■ 7.6442, 14.6272,
3.0366


■ 23.4180, 22.1998,
29.0384


 7.3609, 14.4906,
2.5985

 26.6133, 23.7324,
34.3663

 7.2440, 14.4345,
2.4043

 30.1487, 25.4280,
40.2689

 34.0339, 27.2911,
46.7628

 38.2780, 29.3263,
53.8638

Harmonies

Analogous

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



14.1053, 16.8032, 7.5003



12.1725, 16.8032, 10.3864



11.2835, 16.8032, 16.1489

Triad

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



12.1725, 16.8032, 10.3864



15.2026, 16.8032, 37.7775



21.4232, 16.8032, 13.2755

Complementary

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



12.1725, 16.8032, 10.3864



14.7497, 11.5516, 20.5219

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.



21.8043, 16.8032, 20.6250



12.1725, 16.8032, 10.3864



17.9942, 16.8032, 36.3495

Square

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



12.1725, 16.8032, 10.3864



12.8964, 16.8032, 32.9279



20.4873, 16.8032, 29.4523



19.4990, 16.8032, 8.8036

Rectangle

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



12.1725, 16.8032, 10.3864



11.3223, 16.8032, 21.4965



20.4873, 16.8032, 29.4523



21.7442, 16.8032, 15.4298

Sweetspot

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



12.1729, 16.8039, 10.3868



29.4323, 33.4151, 31.5191



16.8275, 18.9387, 10.5535



6.8258, 7.8189, 7.2475



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.1729, 16.8039, 10.3868



19.3602, 28.5802, 14.8932



12.9538, 17.1063, 14.9487



3.9587, 4.4540, 4.2756



7.3636, 14.6733, 2.4441



35.0253, 69.9416, 11.6541

Inverse Universe

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



14.7497, 11.5516, 20.5219



24.6466, 17.8001, 35.6934



13.7505, 11.1685, 14.5105



4.1457, 4.0730, 5.0108



11.7313, 5.6205, 19.8518



55.8543, 26.7559, 94.6904

Previews

White Background



This preview shows how the XYZ color 12.1725, 16.8032, 10.3864 looks on a white background.

Color Contrast Check

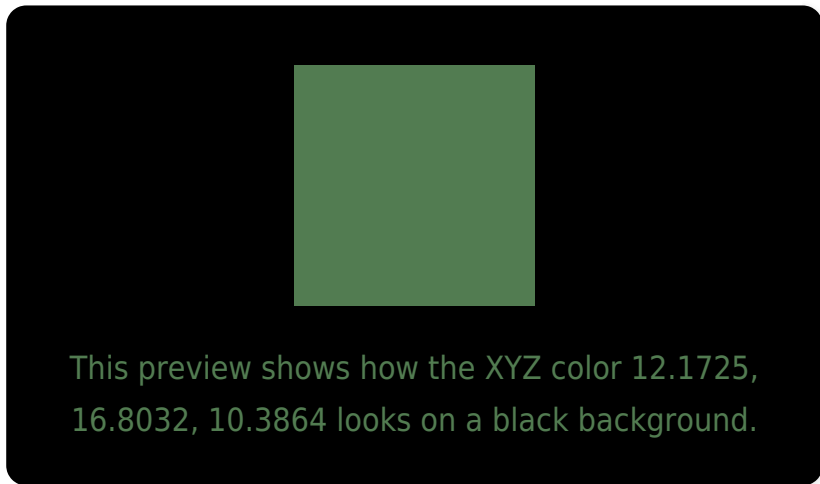
Large Text (above 18pt) WCAG AA ✓ Pass

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

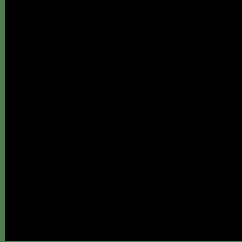
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1725, 16.8032, 10.3864

Background



This preview shows how black text looks on a background with the XYZ color 12.1725, 16.8032, 10.3864.



This preview shows how white text looks on a background with the XYZ color 12.1725, 16.8032,

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

12.1725, 16.8032, 10.3864

Protanopia

15.4131, 16.5570, 9.4046

Deuteranopia

16.9004, 16.6457, 10.7097



Tritanopia

14.6891, 16.7395, 22.8789

Trichromacy



Original Color

12.1725, 16.8032, 10.3864

Protanomaly

13.9208, 16.4608, 9.6513

Deuteranomaly

14.6489, 16.3040, 10.5585

Tritanomaly

13.6102, 16.6553, 17.5364

Monochromacy



Original Color

12.1725, 16.8032, 10.3864

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1467, 15.2888, 13.8134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1725, 16.8032, 10.3864 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(82, 124, 81)` looks like.

```
.text, #text, p{  
    color:rgb(82, 124, 81)  
}
```

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(82, 124, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 124, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.1725, 16.8032, 10.3864 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(82, 124, 81) }
```


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

```
.border{ border-color:rgb(82, 124, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 124, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 124, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 124, 81);  
box-shadow:4px 4px 4px 4px rgb(82, 124,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1725, 16.8032, 10.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 124, 81) }
```

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

```
.background{ background-color: rgb(82, 124,  
81) }
```

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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