

Converting Colors

XYZ(12.3755, 16.9063, 10.2064)

Have a look what the booklet for
XYZ(12.3755, 16.9063, 10.2064)
contains.

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Color

**XYZ(12.4019, 16.9258,
10.2028)**

Conversions

Conversions Part 1

Format	Color
Hex	557C50
RGB	85, 124, 80
RGB Percent	33%, 49%, 31%
CMY	0.6667, 0.5137, 0.6863
CMYK	0.31, 0.00, 0.35, 0.51
HSL	113°, 22%, 40%
HSV	113°, 35%, 49%
XYZ	12.4019, 16.9258, 10.2028
YIQ	107.3230, -9.1200, -21.9520

Conversions

Conversions Part 2

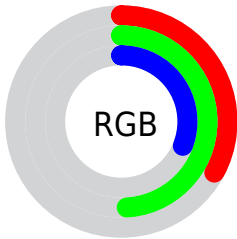
Format	Color
R_{YB}	80, 124, 119
Decimal	5602384
CIE _{Lab}	48.17, -22.98, 19.79
CIE _{LCh}	48, 30.325, 139.261
Yxy	16.9258, 0.3137, 0.4282
Android (android.graphics.Color)	4283792464 (0xFF557C50)
YUV	107.3230, -13.4702, -19.5773
Hunter-Lab	41.1410, -18.1881, 14.0950

Details

The XYZ color **12.4019, 16.9258, 10.2028** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.1154, 11.1151, 20.4712**, and the grayscale version is **14.1033, 14.8377, 16.1583**.

A 20% lighter version of the original color is **29.9047, 38.2902, 26.9337**, and **3.5824, 5.5468, 2.4719** is the 20% darker color. If you saturate the color by 10%, you get **11.0639, 16.2847, 7.9654**, and if you desaturate by 10%, it is **13.9804, 17.6821, 12.8937**.

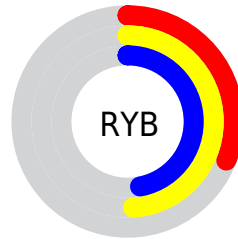
Distribution



Red (33%)

Green (49%)

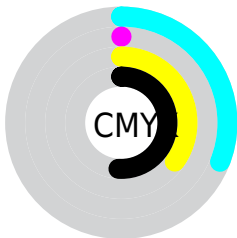
Blue (31%)



Red (31%)

Yellow (49%)

Blue (47%)

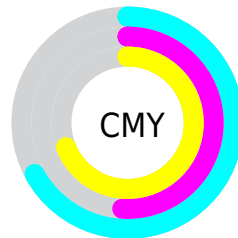


Cyan (31%)

Magenta (0%)

Yellow (35%)

Black (51%)



Cyan (67%)

Magenta (51%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4019, 16.9258, 10.2028 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 12.4019, 16.9258, 10.2028 by changing the saturation by 10% instead.

■ 12.4019, 16.9258,
10.2028

■ 12.4019, 16.9258,
10.2028

200.7642,
234.7444, 202.6505

■ 7.0921, 10.1816,
5.4263

■ 29.8355, 38.1982,
26.7900

■ 3.5666, 5.5195,
2.4364

■ 42.6902, 53.4951,
39.4378

■ 1.4600, 2.5552,
0.8062

■ 58.7904, 72.4118,
55.5464

■ 0.2984, 0.9042,
0.0000

■ 78.5017, 95.3325,
75.5343

■ 0.0000, 0.0000,
0.0000

■ 102.1894,
122.6418, 99.8202

130.2188,

154.7239, 128.8225

162.9552,
191.9633, 162.9597

■ 12.4019, 16.9258,
10.2028

■ 12.4019, 16.9258,
10.2028

■ 11.0639, 16.2847,
7.9654

■ 13.9804, 17.6821,
12.8937

■ 9.9534, 15.7511,
6.1554

■ 15.8090, 18.5566,
16.0599

■ 9.0579, 15.3197,
4.7460

■ 17.8986, 19.5549,
19.7232

■ 8.3633, 14.9839,
3.7067

■ 20.2588, 20.6816,
23.9037

■ 7.8538, 14.7363,
3.0027

■ 22.8989, 21.9409,
28.6204

■ 7.5082, 14.5672,
2.5768

■ 25.8276, 23.3371,
33.8915

■ 7.3905, 14.5101,
2.4112

■ 29.0533, 24.8740,
39.7339

■ 32.5841, 26.5556,
46.1643

■ 36.4278, 28.3853,
53.1984

Harmonies

Analogous

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



14.4043, 16.9258, 7.5055



12.4019, 16.9258, 10.2028



11.4284, 16.9258, 15.7472

Triad

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



12.4019, 16.9258, 10.2028



15.1215, 16.9258, 37.6885



21.6178, 16.9258, 13.8685

Complementary

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



12.4019, 16.9258, 10.2028



14.1154, 11.1151, 20.4712

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.



21.8666, 16.9258, 21.3999



12.4019, 16.9258, 10.2028



17.8969, 16.9258, 36.7572

Square

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



12.4019, 16.9258, 10.2028



12.8753, 16.9258, 32.4619



20.4392, 16.9258, 30.1943



19.7939, 16.9258, 9.1663

Rectangle

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



12.4019, 16.9258, 10.2028



11.4096, 16.9258, 20.9774



20.4392, 16.9258, 30.1943



21.8957, 16.9258, 16.0964

Sweetspot

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



12.4023, 16.9265, 10.2032



29.3147, 33.3686, 30.8738



16.3419, 18.0271, 10.2080



6.8115, 7.8146, 7.1092



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.



12.4023, 16.9265, 10.2032



19.7882, 28.8090, 14.5448



12.6679, 16.9822, 13.8874



3.9893, 4.4698, 4.2770



7.5114, 14.7495, 2.4510



35.4495, 70.1603, 11.6739

Inverse Universe

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



14.1154, 11.1151, 20.4712



23.2919, 16.8941, 35.5899



13.8424, 11.0872, 15.3578



4.1118, 4.0555, 5.0093



10.2234, 4.8431, 19.7813



48.3121, 22.8678, 94.3374

Previews

White Background



This preview shows how the XYZ color 12.4019, 16.9258, 10.2028 looks on a white background.

Color Contrast Check

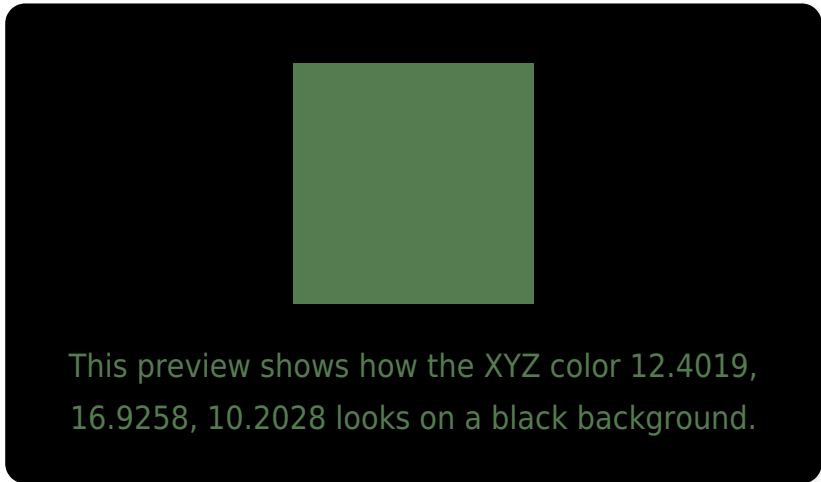
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4019, 16.9258, 10.2028

Background



This preview shows how black text looks on a background with the XYZ color 12.4019, 16.9258, 10.2028.



This preview shows how white text looks on a background with the XYZ color 12.4019, 16.9258,

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

12.4019, 16.9258, 10.2028

Protanopia

15.6340, 16.8415, 9.2642

Deuteranopia

17.0216, 16.7127, 10.5124



Tritanopia

14.8889, 16.8425, 22.8883

Trichromacy



Original Color

12.4019, 16.9258, 10.2028

Protanomaly

14.2484, 16.8077, 9.5144

Deuteranomaly

14.8764, 16.4257, 10.3691

Tritanomaly

13.8022, 16.7543, 17.5454

Monochromacy



Original Color

12.4019, 16.9258, 10.2028

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2084, 15.3260, 13.5713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4019, 16.9258, 10.2028 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(85, 124, 80)` looks like.

```
.text, #text, p{  
    color:rgb(85, 124, 80)  
}
```

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(85, 124, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 124, 80) }
```

Border

The CSS property to change the border of an element to XYZ 12.4019, 16.9258, 10.2028 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(85, 124, 80) }
```


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

```
.border{ border-color:rgb(85, 124, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 124, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 124, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 124, 80);  
box-shadow:4px 4px 4px 4px rgb(85, 124,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4019, 16.9258, 10.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 124, 80) }
```

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

```
.background{ background-color: rgb(85, 124,  
80) }
```

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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