

Converting Colors

XYZ(12.9626, 17.0659, 3.5591)

Have a look what the booklet for
XYZ(12.9626, 17.0659, 3.5591)
contains.

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Color

**XYZ(12.9717, 16.9969,
3.5743)**

Conversions

Conversions Part 1

Format	Color
Hex	697A1A
RGB	105, 122, 26
RGB Percent	41%, 48%, 10%
CMY	0.5882, 0.5216, 0.8980
CMYK	0.14, 0.00, 0.79, 0.52
HSL	71°, 65%, 29%
HSV	71°, 79%, 48%
XYZ	12.9717, 16.9969, 3.5743
YIQ	105.9730, 20.6840, -33.4600

Conversions

Conversions Part 2

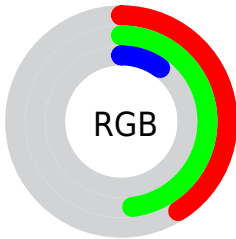
Format	Color
RYB	26, 122, 43
Decimal	6912538
CIELab	48.26, -19.54, 46.75
CIElCh	48, 50.667, 112.682
Yxy	16.9969, 0.3867, 0.5067
Android (android.graphics.Color)	4285102618 (0xFF697A1A)
YUV	105.9730, -39.4267, -0.8533
Hunter-Lab	41.2273, -15.9848, 23.7188

Details

The XYZ color **12.9717, 16.9969, 3.5743** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.8790, 2.6579, 18.6692**, and the grayscale version is **13.7933, 14.5117, 15.8032**.

A 20% lighter version of the original color is **30.8093, 38.1931, 12.9559**, and **3.9581, 5.5773, 0.8679** is the 20% darker color. If you saturate the color by 10%, you get **12.6129, 16.8251, 2.9913**, and if you desaturate by 10%, it is **13.3958, 17.1969, 4.4643**.

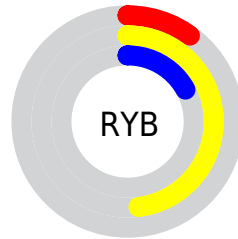
Distribution



Red (41%)

Green (48%)

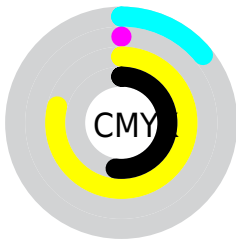
Blue (10%)



Red (10%)

Yellow (48%)

Blue (17%)

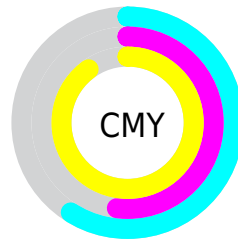


Cyan (14%)

Magenta (0%)

Yellow (79%)

Black (52%)



Cyan (59%)

Magenta (52%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9717, 16.9969, 3.5743 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 12.9717, 16.9969, 3.5743 by changing the saturation by 10% instead.

■ 12.9717, 16.9969,
3.5743

■ 12.9717, 16.9969,
3.5743

204.3775,
235.1545, 143.3692

■ 7.4859, 10.2323,
1.3948

■ 30.8547, 38.3204,
13.0154

■ 3.8168, 5.5532,
0.1377

■ 43.9826, 53.6482,
21.1142

■ 1.5990, 2.5754,
0.0000

■ 60.3886, 72.5990,
32.0231

■ 0.3918, 0.9143,
0.0000

■ 80.4381, 95.5575,
46.1607

■ 0.0000, 0.0000,
0.0000

■ 104.4963,
122.9078, 63.9456

■ 132.9287,

155.0345, 85.7963

166.1007,
192.3220, 112.1313

12.9717, 16.9969,
3.5743

12.9717, 16.9969,
3.5743

12.6129, 16.8251,
2.9913

13.3958, 17.1969,
4.4643

12.2996, 16.6715,
2.6157

13.8907, 17.4253,
5.6948

12.2592, 16.6517,
2.5680

14.4625, 17.6852,
7.2962

15.1164, 17.9787,
9.2951

15.8569, 18.3076,
11.7159

■ 16.6884, 18.6737,
14.5807

■ 17.6148, 19.0786,
17.9104

■ 18.6399, 19.5237,
21.7244

■ 19.7671, 20.0104,
26.0409

Harmonies

Analogous

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



17.3109, 16.9969, 3.0188



12.9717, 16.9969, 3.5743



10.0802, 16.9969, 6.9869

Triad

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



12.9717, 16.9969, 3.5743



11.3542, 16.9969, 46.9351



26.6408, 16.9969, 21.9331

Complementary

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



12.9717, 16.9969, 3.5743



4.8790, 2.6579, 18.6692

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.



24.2815, 16.9969, 38.5623



12.9717, 16.9969, 3.5743



15.0518, 16.9969, 56.8426

Square

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



12.9717, 16.9969, 3.5743



9.2778, 16.9969, 30.1263



19.8207, 16.9969, 53.2105



25.7937, 16.9969, 10.3407

Rectangle

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



12.9717, 16.9969, 3.5743



9.0831, 16.9969, 11.9306



19.8207, 16.9969, 53.2105



26.1833, 16.9969, 27.1408

Sweetspot

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



12.9721, 16.9977, 3.5747



28.4766, 32.4634, 22.5842



9.0410, 5.8686, 1.6337



6.4173, 7.3814, 4.8440



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.



12.9721, 16.9977, 3.5747



21.7769, 29.3963, 4.7987



8.8915, 14.8941, 3.3837



4.2414, 4.5998, 4.2888



12.9001, 17.5275, 2.7032



60.8904, 83.2756, 12.8645

Inverse Universe

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



4.8790, 2.6579, 18.6692



7.0040, 3.0496, 32.6124



8.0993, 4.3180, 18.8199



3.8578, 3.9245, 4.9974



4.0322, 1.6515, 19.4915



18.7117, 7.6082, 92.9521

Previews

White Background



This preview shows how the XYZ color 12.9717, 16.9969, 3.5743 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 12.9717, 16.9969, 3.5743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

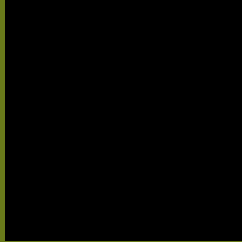
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9717, 16.9969, 3.5743

Background



This preview shows how black text looks on a background with the XYZ color 12.9717, 16.9969, 3.5743.



This preview shows how white text looks on a background with the XYZ color 12.9717, 16.9969,

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

12.9717, 16.9969, 3.5743

Protanopia

15.3489, 16.9945, 3.3355

Deuteranopia

17.2448, 16.9764, 3.8067



Tritanopia

16.5319, 17.0421, 21.1570

Trichromacy



Original Color

12.9717, 16.9969, 3.5743

Protanomaly

14.3996, 17.0201, 3.4460

Deuteranomaly

15.4576, 16.8742, 3.6706

Tritanomaly

14.6783, 16.8067, 11.7029

Monochromacy



Original Color

12.9717, 16.9969, 3.5743

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.0776, 15.1883, 9.2636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9717, 16.9969, 3.5743 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(105, 122, 26)` looks like.

```
.text, #text, p{  
    color:rgb(105, 122, 26)  
}
```

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(105, 122, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 122, 26) }
```

Border

The CSS property to change the border of an element to XYZ 12.9717, 16.9969, 3.5743 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(105, 122, 26) }
```


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

```
.border{ border-color:rgb(105, 122, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 122, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 122, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 122, 26);  
box-shadow:4px 4px 4px 4px rgb(105, 122,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9717, 16.9969, 3.5743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 122, 26) }
```

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

```
.background{ background-color: rgb(105,  
122, 26) }
```

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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