

Converting Colors

XYZ(12.2074, 16.7110, 4.9801)

Have a look what the booklet for
XYZ(12.2074, 16.7110, 4.9801)
contains.

XYZ(12.2569, 16.7807, 4.9759)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.2569, 16.7807,
4.9759)**

Conversions

Conversions Part 1

Format	Color
Hex	5F7B2C
RGB	95, 123, 44
RGB Percent	37%, 48%, 17%
CMY	0.6275, 0.5176, 0.8274
CMYK	0.23, 0.00, 0.64, 0.52
HSL	81°, 47%, 33%
HSV	81°, 64%, 48%
XYZ	12.2569, 16.7807, 4.9759
YIQ	105.6220, 8.6710, -30.5050

Conversions

Conversions Part 2

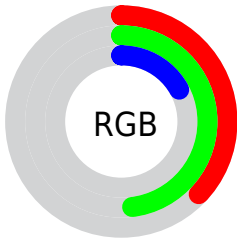
Format	Color
RYB	44, 123, 72
Decimal	6257452
CIELab	47.98, -23.18, 38.81
CIELCh	48, 45.204, 120.845
Yxy	16.7807, 0.3604, 0.4934
Android (android.graphics.Color)	4284447532 (0xFF5F7B2C)
YUV	105.6220, -30.3796, -9.3155
Hunter-Lab	40.9643, -18.2785, 21.4731

Details

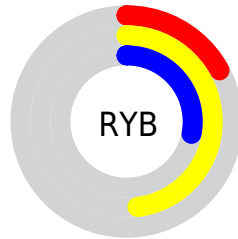
The XYZ color **12.2569, 16.7807, 4.9759** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **7.1491, 4.6097, 19.2529**, and the grayscale version is **13.6753, 14.3875, 15.6680**.

A 20% lighter version of the original color is **29.7139, 38.1369, 16.1510**, and **3.5310, 5.4554, 0.8669** is the 20% darker color. If you saturate the color by 10%, you get **11.6190, 16.4752, 3.9130**, and if you desaturate by 10%, it is **12.9896, 17.1282, 6.4018**.

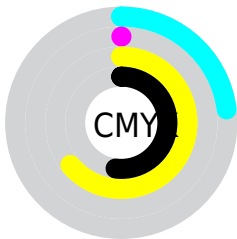
Distribution



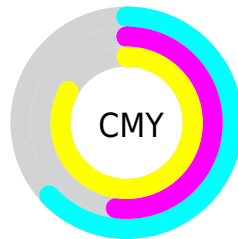
- Red (37%)
- Green (48%)
- Blue (17%)



- Red (17%)
- Yellow (48%)
- Blue (28%)



- Cyan (23%)
- Magenta (0%)
- Yellow (64%)
- Black (52%)



- Cyan (63%)
- Magenta (52%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2569, 16.7807, 4.9759 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 12.2569, 16.7807, 4.9759 by changing the saturation by 10% instead.

■ 12.2569, 16.7807,
4.9759

■ 12.2569, 16.7807,
4.9759

199.8341,
233.9054, 158.5230

■ 6.9923, 10.0783,
2.1746

■ 29.5750, 37.9483,
16.2044

■ 3.5036, 5.4509,
0.6597

■ 42.3591, 53.1823,
25.4686

■ 1.4253, 2.5142,
0.0000

■ 58.3806, 72.0289,
37.7243

■ 0.2742, 0.8837,
0.0000

■ 78.0046, 94.8726,
53.3900

■ 0.0000, 0.0000,
0.0000

■ 101.5967,
122.0977, 72.8842

■ 129.5220,

154.0886, 96.6254

162.1460,
191.2297, 125.0321

■ 12.2569, 16.7807,
4.9759

■ 12.2569, 16.7807,
4.9759

■ 11.6190, 16.4752,
3.9130

■ 12.9896, 17.1282,
6.4018

■ 11.0679, 16.2068,
3.1791

■ 13.8217, 17.5178,
8.2187

■ 10.5949, 15.9725,
2.7285

■ 14.7590, 17.9525,
10.4530

■ 10.3413, 15.8462,
2.5136

■ 15.8064, 18.4343,
13.1285

■ 16.9685, 18.9651,
16.2672

■ 18.2494, 19.5466,
19.8898

■ 19.6533, 20.1805,
24.0154

■ 21.1840, 20.8683,
28.6625

■ 22.8450, 21.6115,
33.8483

Harmonies

Analogous

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



15.8342, 16.7807, 3.7578



12.2569, 16.7807, 4.9759



10.0340, 16.7807, 9.3679

Triad

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



12.2569, 16.7807, 4.9759



12.4257, 16.7807, 45.7435



25.1469, 16.7807, 17.9422

Complementary

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



12.2569, 16.7807, 4.9759



7.1491, 4.6097, 19.2529

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.



23.8259, 16.7807, 31.5437



12.2569, 16.7807, 4.9759



16.0655, 16.7807, 51.1888

Square

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



12.2569, 16.7807, 4.9759



10.1192, 16.7807, 32.3764



20.3181, 16.7807, 45.1357



23.6751, 16.7807, 9.0052

Rectangle

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



12.2569, 16.7807, 4.9759



9.3920, 16.7807, 14.9255



20.3181, 16.7807, 45.1357



25.0130, 16.7807, 22.0832

Sweetspot

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



12.2573, 16.7814, 4.9763



29.2680, 33.4506, 26.0777



10.9185, 8.9830, 3.5416



6.7773, 7.8252, 5.8313



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.



12.2573, 16.7814, 4.9763



20.3264, 29.2690, 6.3243



9.1607, 15.1851, 4.8313



4.1764, 4.5662, 4.2857



10.6914, 16.3889, 2.5999



50.0486, 77.6864, 12.3571

Inverse Universe

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



7.1491, 4.6097, 19.2529



10.4382, 5.6213, 34.0915



11.0510, 6.6212, 19.4355



3.9193, 3.9563, 5.0002



4.7498, 2.0213, 19.5251



21.8088, 9.2049, 93.0971

Previews

White Background



This preview shows how the XYZ color 12.2569, 16.7807, 4.9759 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 12.2569, 16.7807, 4.9759 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 12.2569, 16.7807, 4.9759

Background



This preview shows how black text looks on a background with the XYZ color 12.2569, 16.7807, 4.9759.



This preview shows how white text looks on a background with the XYZ color 12.2569, 16.7807,

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

12.2569, 16.7807, 4.9759

Protanopia

15.1699, 16.7067, 4.5230

Deuteranopia

16.9014, 16.6096, 5.2209



Tritanopia

15.5945, 16.7200, 21.4741

Trichromacy



Original Color

12.2569, 16.7807, 4.9759

Protanomaly

13.8494, 16.5346, 4.6520

Deuteranomaly

14.7304, 16.3006, 5.0593

Tritanomaly

13.9108, 16.5498, 13.2877

Monochromacy



Original Color

12.2569, 16.7807, 4.9759

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.8350, 15.0377, 10.4097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2569, 16.7807, 4.9759 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(95, 123, 44)` looks like.

```
.text, #text, p{  
    color:rgb(95, 123, 44)  
}
```

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(95, 123, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 123, 44) }
```

Border

The CSS property to change the border of an element to XYZ 12.2569, 16.7807, 4.9759 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(95, 123, 44) }
```


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

```
.border{ border-color:rgb(95, 123, 44) }
```

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

Here you see how a box with a 4 pixel rgb(95, 123, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 123, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 123, 44);  
box-shadow:4px 4px 4px 4px rgb(95, 123,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2569, 16.7807, 4.9759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 123, 44) }
```

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

```
.background{ background-color: rgb(95, 123,  
44) }
```

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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