

Converting Colors

XYZ(11.9596, 16.1266, 3.8532)

Have a look what the booklet for
XYZ(11.9596, 16.1266, 3.8532)
contains.

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Color

**XYZ(11.9069, 16.0786,
3.8424)**

Conversions

Conversions Part 1

Format	Color
Hex	617820
RGB	97, 120, 32
RGB Percent	38%, 47%, 13%
CMY	0.6196, 0.5294, 0.8745
CMYK	0.19, 0.00, 0.73, 0.53
HSL	76°, 58%, 30%
HSV	76°, 73%, 47%
XYZ	11.9069, 16.0786, 3.8424
YIQ	103.0910, 14.5400, -32.2440

Conversions

Conversions Part 2

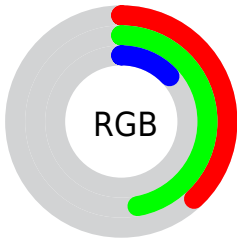
Format	Color
R_{YB}	32, 120, 55
Decimal	6387744
CIE _{Lab}	47.08, -21.70, 43.15
CIE _{LCh}	47, 48.303, 116.699
Yxy	16.0786, 0.3741, 0.5052
Android (android.graphics.Color)	4284577824 (0xFF617820)
YUV	103.0910, -35.0479, -5.3418
Hunter-Lab	40.0981, -17.1672, 22.3872

Details


The XYZ color **11.9069, 16.0786, 3.8424** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.4828, 3.2017, 18.0993**, and the grayscale version is **13.0038, 13.6810, 14.8986**.

A 20% lighter version of the original color is **28.8532, 36.5983, 13.5261**, and **3.4255, 5.1108, 0.8059** is the 20% darker color. If you saturate the color by 10%, you get **11.4451, 15.8566, 3.1193**, and if you desaturate by 10%, it is **12.4421, 16.3326, 4.8799**.

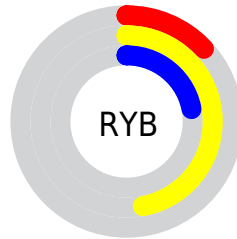
Distribution



 Red (38%)

 Green (47%)

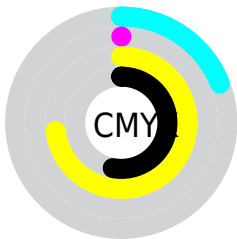
 Blue (13%)



 Red (13%)

 Yellow (47%)

 Blue (22%)

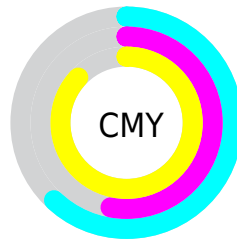



 Cyan (19%)


 Magenta (0%)

 Yellow (73%)

 Black (53%)



 Cyan (62%)

 Magenta (53%)

 Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9069, 16.0786, 3.8424 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 11.9069, 16.0786, 3.8424 by changing the saturation by 10% instead.

■ 11.9069, 16.0786,
3.8424

■ 11.9069, 16.0786,
3.8424

197.5705,
229.8051, 146.4572

■ 6.7521, 9.5798,
1.5393

■ 28.9438, 36.7346,
13.6446

■ 3.3525, 5.1212,
0.2469

■ 41.5565, 51.6606,
21.9808

■ 1.3428, 2.3186,
0.0000

■ 57.3859, 70.1644,
33.1651

■ 0.2149, 0.7835,
0.0000

■ 76.7973, 92.6305,
47.6161

■ 0.0000, 0.0000,
0.0000

■ 100.1562,
119.4432, 65.7522

■ 127.8277,

150.9869, 87.9921

160.1774,
187.6461, 114.7542

11.9069, 16.0786,
3.8424

11.9069, 16.0786,
3.8424

11.4451, 15.8566,
3.1193

12.4421, 16.3326,
4.8799

11.0480, 15.6614,
2.6705

13.0556, 16.6190,
6.2615

10.8016, 15.5394,
2.4301

13.7531, 16.9404,
8.0144

14.5391, 17.2989,
10.1629

15.4183, 17.6962,
12.7293

■ 16.3944, 18.1340,
15.7341

■ 17.4715, 18.6137,
19.1965

■ 18.6529, 19.1368,
23.1346

■ 19.9422, 19.7047,
27.5654

Harmonies

Analogous

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



15.7560, 16.0786, 3.0186



11.9069, 16.0786, 3.8424



9.4353, 16.0786, 7.5688

Triad

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



11.9069, 16.0786, 3.8424



11.2323, 16.0786, 45.1370



24.9414, 16.0786, 18.8846

Complementary

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



11.9069, 16.0786, 3.8424



5.4828, 3.2017, 18.0993

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.



23.1509, 16.0786, 33.6912



11.9069, 16.0786, 3.8424



14.8180, 16.0786, 52.6480

Square

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



11.9069, 16.0786, 3.8424



9.0994, 16.0786, 30.2187



19.2418, 16.0786, 47.7097



23.7750, 16.0786, 8.9783

Rectangle

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



11.9069, 16.0786, 3.8424



8.6471, 16.0786, 12.6699



19.2418, 16.0786, 47.7097



24.6584, 16.0786, 23.4406

Sweetspot

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



11.9073, 16.0793, 3.8427



27.2463, 31.1813, 22.7777



9.3262, 6.7362, 2.1754



6.3753, 7.3528, 5.1528



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.



11.9073, 16.0793, 3.8427



19.6414, 27.6485, 4.9027



8.4991, 14.3223, 3.6832



4.2104, 4.5837, 4.2873



11.7697, 16.9447, 2.6503



55.3131, 80.4004, 12.6035

Inverse Universe

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



5.4828, 3.2017, 18.0993



7.7355, 3.6363, 31.5473



8.9443, 4.9862, 18.2613



3.8868, 3.9395, 4.9987



4.3149, 1.7972, 19.5048



19.8883, 8.2148, 93.0072

Previews

White Background



This preview shows how the XYZ color 11.9069, 16.0786, 3.8424 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 11.9069, 16.0786, 3.8424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

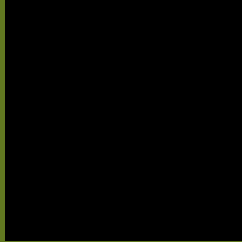
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9069, 16.0786, 3.8424

Background



This preview shows how black text looks on a background with the XYZ color 11.9069, 16.0786, 3.8424.



This preview shows how white text looks on a background with the XYZ color 11.9069, 16.0786,

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

11.9069, 16.0786, 3.8424

Protanopia

14.4860, 16.0421, 3.5612

Deuteranopia

16.1513, 15.9370, 4.0586



Tritanopia

15.3088, 16.0946, 20.3889

Trichromacy



Original Color

11.9069, 16.0786, 3.8424

Protanomaly

13.4483, 16.0052, 3.6768

Deuteranomaly

14.3151, 15.7813, 3.9607

Tritanomaly

13.5274, 15.8663, 11.8007

Monochromacy



Original Color

11.9069, 16.0786, 3.8424

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.1750, 14.2398, 9.1280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9069, 16.0786, 3.8424 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(97, 120, 32)` looks like.

```
.text, #text, p{  
    color:rgb(97, 120, 32)  
}
```

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(97, 120, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 120, 32) }
```

Border

The CSS property to change the border of an element to XYZ 11.9069, 16.0786, 3.8424 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(97, 120, 32) }
```


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

```
.border{ border-color:rgb(97, 120, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 120, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 120, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 120, 32);  
box-shadow:4px 4px 4px 4px rgb(97, 120,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9069, 16.0786, 3.8424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 120, 32) }
```

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

```
.background{ background-color: rgb(97, 120,  
32) }
```

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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