

Converting Colors

XYZ(11.9130, 18.3109, 3.7688)

Have a look what the booklet for
XYZ(11.9130, 18.3109, 3.7688)
contains.

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Color

**XYZ(11.9834, 18.4075,
3.7856)**

Conversions

Conversions Part 1

Format	Color
Hex	538418
RGB	83, 132, 24
RGB Percent	33%, 52%, 9%
CMY	0.6745, 0.4823, 0.9059
CMYK	0.37, 0.00, 0.82, 0.48
HSL	87°, 69%, 31%
HSV	87°, 82%, 52%
XYZ	11.9834, 18.4075, 3.7856
YIQ	105.0370, 5.4640, -43.9760

Conversions

Conversions Part 2

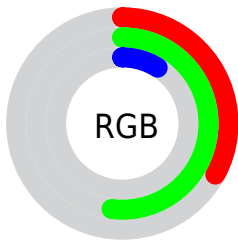
Format	Color
R _Y B	24, 132, 73
Decimal	5473304
CIE Lab	49.99, -33.71, 48.49
CIE LCh	50, 59.059, 124.803
Yxy	18.4075, 0.3506, 0.5386
Android (android.graphics.Color)	4283663384 (0xFF538418)
YUV	105.0370, -39.9512, -19.3264
Hunter-Lab	42.9040, -25.2255, 24.8014

Details

The XYZ color **11.9834, 18.4075, 3.7856** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.2402, 3.7364, 22.1705**, and the grayscale version is **13.5417, 14.2469, 15.5149**.

A 20% lighter version of the original color is **29.0406, 40.5663, 13.5072**, and **3.5527, 6.3106, 1.0308** is the 20% darker color. If you saturate the color by 10%, you get **11.3723, 18.1053, 3.2060**, and if you desaturate by 10%, it is **12.7076, 18.7615, 4.7188**.

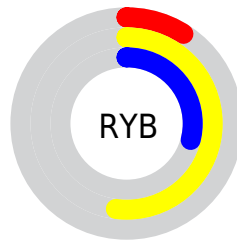
Distribution



Red (33%)

Green (52%)

Blue (9%)



Red (9%)

Yellow (52%)

Blue (29%)

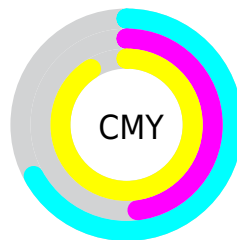


Cyan (37%)

Magenta (0%)

Yellow (82%)

Black (48%)



Cyan (67%)

Magenta (48%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9834, 18.4075, 3.7856 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 11.9834, 18.4075, 3.7856 by changing the saturation by 10% instead.

■ 11.9834, 18.4075,
3.7856

■ 11.9834, 18.4075,
3.7856

198.0675,
243.1580, 145.8116

■ 6.8045, 11.2429,
1.5085

■ 29.0820, 40.7305,
13.5122

■ 3.3854, 6.2305,
0.2242

■ 41.7324, 56.6577,
21.7987

■ 1.3607, 2.9857,
0.0000

■ 57.6040, 76.2746,
32.9255

■ 0.2280, 1.1243,
0.0000

■ 77.0621, 99.9655,
47.3111

■ 0.0000, 0.0000,
0.0000

■ 100.4722,
128.1150, 65.3739

■ 128.1996,

161.1073, 87.5326

160.6096,
199.3268, 114.2057

11.9834, 18.4075,
3.7856

11.9834, 18.4075,
3.7856

11.3723, 18.1053,
3.2060

12.7076, 18.7615,
4.7188

10.9321, 17.8852,
2.8760

13.5533, 19.1689,
6.0494

14.5292, 19.6339,
7.8159

15.6428, 20.1596,
10.0522

16.9007, 20.7489,
12.7886

■ 18.3094, 21.4043,
16.0530

■ 19.8746, 22.1283,
19.8713

■ 21.6018, 22.9232,
24.2675

■ 23.4962, 23.7911,
29.2643

Harmonies

Analogous

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



16.5990, 18.4075, 2.2544



11.9834, 18.4075, 3.7856



9.3710, 18.4075, 9.4749

Triad

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



11.9834, 18.4075, 3.7856



13.2540, 18.4075, 63.6285



30.7582, 18.4075, 17.5410

Complementary

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



11.9834, 18.4075, 3.7856



7.2402, 3.7364, 22.1705

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.



29.3262, 18.4075, 36.4837



11.9834, 18.4075, 3.7856



18.4243, 18.4075, 70.0088

Square

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



11.9834, 18.4075, 3.7856



9.9859, 18.4075, 43.6572



24.4826, 18.4075, 58.1483



28.0573, 18.4075, 6.9847

Rectangle

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



11.9834, 18.4075, 3.7856



8.7317, 18.4075, 17.3464



24.4826, 18.4075, 58.1483



30.7487, 18.4075, 23.0048

Sweetspot

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



11.9838, 18.4083, 3.7860



31.2897, 37.2556, 26.0115



12.0378, 9.6850, 2.0994



7.1116, 8.5932, 5.6551



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.9838, 18.4083, 3.7860



19.2599, 31.5030, 5.1637



8.9348, 16.8365, 3.6433



4.8413, 5.3207, 5.0012



10.5907, 17.3197, 2.7848



0.0451, 0.0643, 0.0100

Inverse Universe

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



7.2402, 3.7364, 22.1705



10.6304, 4.6878, 38.7977



13.1852, 6.8011, 22.4487



4.6203, 4.6403, 5.8529



5.8369, 2.5432, 21.3199



0.0285, 0.0131, 0.0742

Previews

White Background



This preview shows how the XYZ color 11.9834, 18.4075, 3.7856 looks on a white 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

Black Background



This preview shows how the XYZ color 11.9834, 18.4075, 3.7856 looks on a black 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

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

XYZ 11.9834, 18.4075, 3.7856

Background



This preview shows how black text looks on a background with the XYZ color 11.9834, 18.4075, 3.7856.



This preview shows how white text looks on a background with the XYZ color 11.9834, 18.4075,

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

11.9834, 18.4075, 3.7856

Protanopia

16.3960, 18.2307, 3.3165

Deuteranopia

18.4773, 18.0934, 4.0319



Tritanopia

16.2464, 18.4008, 24.8857

Trichromacy



Original Color

11.9834, 18.4075, 3.7856

Protanomaly

14.4132, 18.1143, 3.4462

Deuteranomaly

15.2886, 17.6474, 3.8288

Tritanomaly

13.8503, 17.9873, 13.0978

Monochromacy



Original Color

11.9834, 18.4075, 3.7856

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.3650, 15.3247, 9.1437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9834, 18.4075, 3.7856 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(83, 132, 24)` looks like.

```
.text, #text, p{  
    color:rgb(83, 132, 24)  
}
```

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(83, 132, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 132, 24) }
```

Border

The CSS property to change the border of an element to XYZ 11.9834, 18.4075, 3.7856 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(83, 132, 24) }
```


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

```
.border{ border-color:rgb(83, 132, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 132, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 132, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 132, 24);  
box-shadow:4px 4px 4px 4px rgb(83, 132,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9834, 18.4075, 3.7856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 132, 24) }
```

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

```
.background{ background-color: rgb(83, 132,  
24) }
```

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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