

Converting Colors

XYZ(12.9817, 18.4981, 4.8938)

Have a look what the booklet for
XYZ(12.9817, 18.4981, 4.8938)
contains.

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Color

**XYZ(12.9817, 18.4981,
4.8938)**

Conversions

Conversions Part 1

Format	Color
Hex	5E8228
RGB	94, 130, 40
RGB Percent	37%, 51%, 16%
CMY	0.6314, 0.4902, 0.8431
CMYK	0.28, 0.00, 0.69, 0.49
HSL	84°, 53%, 33%
HSV	84°, 69%, 51%
XYZ	12.9817, 18.4981, 4.8938
YIQ	108.9760, 7.4340, -35.6220

Conversions

Conversions Part 2

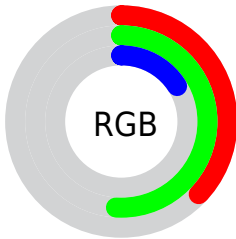
Format	Color
R_{YB}	40, 130, 76
Decimal	6193704
CIE _{Lab}	50.09, -27.40, 42.85
CIE _{LCh}	50, 50.857, 122.595
Yxy	18.4981, 0.3569, 0.5086
Android (android.graphics.Color)	4284383784 (0xFF5E8228)
YUV	108.9760, -34.0052, -13.1340
Hunter-Lab	43.0094, -21.3891, 23.3603

Details

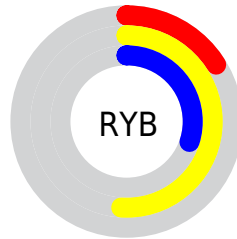
The XYZ color **12.9817, 18.4981, 4.8938** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.7694, 4.6664, 21.6113**, and the grayscale version is **14.6214, 15.3829, 16.7519**.

A 20% lighter version of the original color is **30.8116, 40.8082, 15.9257**, and **3.8649, 6.2509, 1.0028** is the 20% darker color. If you saturate the color by 10%, you get **12.2814, 18.1591, 3.8948**, and if you desaturate by 10%, it is **13.7932, 18.8870, 6.2872**.

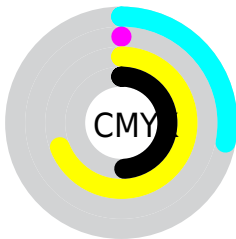
Distribution



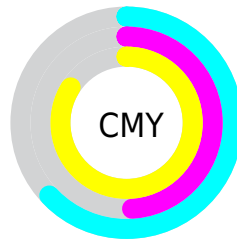
- Red (37%)
- Green (51%)
- Blue (16%)



- Red (16%)
- Yellow (51%)
- Blue (30%)



- Cyan (28%)
- Magenta (0%)
- Yellow (69%)
- Black (49%)



- Cyan (63%)
- Magenta (49%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9817, 18.4981, 4.8938 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 12.9817, 18.4981, 4.8938 by changing the saturation by 10% instead.

■ 12.9817, 18.4981,
4.8938

■ 12.9817, 18.4981,
4.8938

204.4403,
243.6638, 157.6948

■ 7.4929, 11.3082,
2.1274

■ 30.8725, 40.8843,
16.0237

■ 3.8212, 6.2745,
0.6320

■ 44.0052, 56.8493,
25.2242

■ 1.6015, 3.0127,
0.0000

■ 60.4165, 76.5082,
37.4066

■ 0.3934, 1.1384,
0.0000

■ 80.4718, 100.2453,
52.9894

■ 0.0000, 0.0105,
0.0000

■ 104.5365,
128.4450, 72.3911

■ 0.0000, 0.0000,
0.0000

■ 132.9759,

161.4917, 96.0302

166.1554,
199.7699, 124.3252

■ 12.9817, 18.4981,
4.8938

■ 12.9817, 18.4981,
4.8938

■ 12.2814, 18.1591,
3.8948

■ 13.7932, 18.8870,
6.2872

■ 11.6826, 17.8641,
3.2479

■ 14.7221, 19.3265,
8.1093

■ 11.1631, 17.6048,
2.8385

■ 15.7754, 19.8201,
10.3921

■ 11.1246, 17.5856,
2.8080

■ 16.9592, 20.3702,
13.1642

■ 18.2792, 20.9793,
16.4519

■ 19.7405, 21.6494,
20.2794

■ 21.3481, 22.3827,
24.6697

■ 23.1067, 23.1810,
29.6443

■ 25.0207, 24.0462,
35.2236

Harmonies

Analogous

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



17.1590, 18.4981, 3.4278



12.9817, 18.4981, 4.8938



10.4775, 18.4981, 10.1043

Triad

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



12.9817, 18.4981, 4.8938



13.5943, 18.4981, 54.8194



28.7653, 18.4981, 18.9448

Complementary

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



12.9817, 18.4981, 4.8938



7.7694, 4.6664, 21.6113

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.



27.3359, 18.4981, 35.2775



12.9817, 18.4981, 4.8938



18.0117, 18.4981, 60.8751

Square

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



12.9817, 18.4981, 4.8938



10.7823, 18.4981, 38.4404



23.1577, 18.4981, 52.4735



26.7677, 18.4981, 8.8271

Rectangle

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



12.9817, 18.4981, 4.8938



9.7999, 18.4981, 16.8619



23.1577, 18.4981, 52.4735



28.6698, 18.4981, 23.8205

Sweetspot

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



12.9821, 18.4989, 4.8942



31.6459, 36.6943, 27.5895



12.1741, 10.0686, 3.3096



7.0417, 8.2497, 5.9403



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.9821, 18.4989, 4.8942



21.0106, 31.6753, 6.1439



9.6329, 16.7723, 4.7375



4.5040, 4.9363, 4.6355



10.6741, 16.8651, 2.6927



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.7694, 4.6664, 21.6113



11.2261, 5.6057, 37.6828



12.6739, 7.1947, 21.8408



4.2590, 4.2891, 5.4167



5.2289, 2.2493, 20.4085



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9817, 18.4981, 4.8938 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 12.9817, 18.4981, 4.8938 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 12.9817, 18.4981, 4.8938

Background



This preview shows how black text looks on a background with the XYZ color 12.9817, 18.4981, 4.8938.



This preview shows how white text looks on a background with the XYZ color 12.9817, 18.4981,

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

12.9817, 18.4981, 4.8938

Protanopia

16.6036, 18.3138, 4.4101

Deuteranopia

18.6110, 18.3034, 5.1368



Tritanopia

16.7598, 18.3167, 24.1249

Trichromacy



Original Color

12.9817, 18.4981, 4.8938

Protanomaly

15.0406, 18.2278, 4.5593

Deuteranomaly

15.9535, 17.9647, 5.0096

Tritanomaly

14.7791, 18.0638, 14.2630

Monochromacy



Original Color

12.9817, 18.4981, 4.8938

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.6704, 16.3057, 10.8143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9817, 18.4981, 4.8938 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(94, 130, 40)` looks like.

```
.text, #text, p{  
    color:rgb(94, 130, 40)  
}
```

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(94, 130, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 130, 40) }
```

Border

The CSS property to change the border of an element to XYZ 12.9817, 18.4981, 4.8938 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(94, 130, 40) }
```


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

```
.border{ border-color:rgb(94, 130, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 130, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 130, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 130, 40);  
box-shadow:4px 4px 4px 4px rgb(94, 130,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9817, 18.4981, 4.8938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 130, 40) }
```

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

```
.background{ background-color: rgb(94, 130,  
40) }
```

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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