

Converting Colors

XYZ(12.8290, 19.2108, 5.6794)

Have a look what the booklet for
XYZ(12.8290, 19.2108, 5.6794)
contains.

XYZ(12.8759, 19.2339, 5.7232)	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(12.8759, 19.2339,
5.7232)**

Conversions

Conversions Part 1

Format	Color
Hex	56862F
RGB	86, 134, 47
RGB Percent	34%, 53%, 18%
CMY	0.6627, 0.4745, 0.8157
CMYK	0.36, 0.00, 0.65, 0.47
HSL	93°, 48%, 35%
HSV	93°, 65%, 53%
XYZ	12.8759, 19.2339, 5.7232
YIQ	109.7300, -0.6810, -37.2330

Conversions

Conversions Part 2

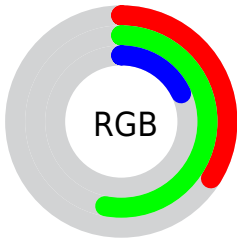
Format	Color
R_{YB}	47, 134, 95
Decimal	5670447
CIE _{Lab}	50.96, -31.83, 40.53
CIE _{LCh}	51, 51.532, 128.142
Yxy	19.2339, 0.3403, 0.5084
Android (android.graphics.Color)	4283860527 (0xFF56862F)
YUV	109.7300, -30.9259, -20.8112
Hunter-Lab	43.8565, -24.3427, 22.9623

Details

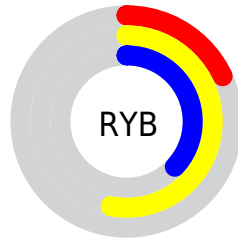
The XYZ color **12.8759, 19.2339, 5.7232** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.0399, 6.1878, 23.2206**, and the grayscale version is **14.8300, 15.6023, 16.9909**.

A 20% lighter version of the original color is **30.7883, 42.3185, 17.8548**, and **3.8300, 6.6807, 1.0876** is the 20% darker color. If you saturate the color by 10%, you get **12.0003, 18.8097, 4.4816**, and if you desaturate by 10%, it is **13.9059, 19.7293, 7.4062**.

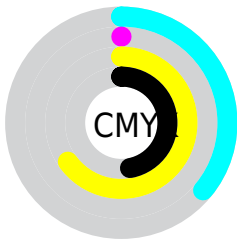
Distribution



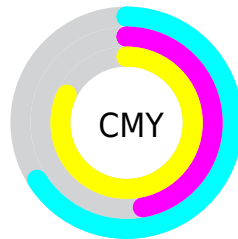
- Red (34%)
- Green (53%)
- Blue (18%)



- Red (18%)
- Yellow (53%)
- Blue (37%)



- Cyan (36%)
- Magenta (0%)
- Yellow (65%)
- Black (47%)





- Cyan (66%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8759, 19.2339, 5.7232 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 12.8759, 19.2339, 5.7232 by changing the saturation by 10% instead.


 12.8759, 19.2339,
5.7232


 12.8759, 19.2339,
5.7232


203.7745,
247.7370, 165.7941


 7.4196, 11.8394,
2.6115


 30.6839, 42.1290,
17.8212


 3.7745, 6.6344,
0.8984


 43.7662, 58.3983,
27.6446


 1.5754, 3.2345,
0.0000

 60.1212, 78.3948,
40.5423

 0.3763, 1.2554,
0.0000

 80.1143, 102.5027,
56.9328

 0.0000, 0.1062,
0.0000

 104.1109,
131.1065, 77.2347

 0.0000, 0.0000,
0.0000

 132.4762,

164.5905, 101.8665

165.5756,
203.3392, 131.2468

■ 12.8759, 19.2339,
5.7232

■ 12.8759, 19.2339,
5.7232

■ 12.0003, 18.8097,
4.4816

■ 13.9059, 19.7293,
7.4062

■ 11.2677, 18.4499,
3.6386

■ 15.0979, 20.2973,
9.5659

■ 10.6653, 18.1499,
3.1365

■ 16.4605, 20.9420,
12.2351

■ 10.3929, 18.0138,
2.9292

■ 18.0012, 21.6668,
15.4438

■ 19.7269, 22.4747,
19.2192

■ 21.6443, 23.3685,
23.5870

■ 23.7597, 24.3509,
28.5712

■ 26.0789, 25.4244,
34.1944

■ 28.6076, 26.5916,
40.4783

Harmonies

Analogous

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



16.9292, 19.2339, 3.6412



12.8759, 19.2339, 5.7232



10.6159, 19.2339, 12.1404

Triad

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



12.8759, 19.2339, 5.7232



14.8725, 19.2339, 59.2421



29.7889, 19.2339, 17.2166

Complementary

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



12.8759, 19.2339, 5.7232



10.0399, 6.1878, 23.2206

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.



28.9586, 19.2339, 33.2149



12.8759, 19.2339, 5.7232



19.7034, 19.2339, 62.7775

Square

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



12.8759, 19.2339, 5.7232



11.6107, 19.2339, 43.4763



25.0204, 19.2339, 51.6479



27.1147, 19.2339, 7.9583

Rectangle

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



12.8759, 19.2339, 5.7232



10.1369, 19.2339, 20.0461



25.0204, 19.2339, 51.6479



29.9187, 19.2339, 21.8651

Sweetspot

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



12.8764, 19.2347, 5.7236



33.3477, 38.9381, 30.7450



14.4241, 13.4318, 4.5220



7.3463, 8.6944, 6.5634



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.



12.8764, 19.2347, 5.7236



20.4934, 32.8215, 7.1013



10.3033, 17.8976, 6.0844



4.7998, 5.2993, 4.9993



9.7513, 16.8869, 2.7456



0.0420, 0.0627, 0.0099

Inverse Universe

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



10.0399, 6.1878, 23.2206



15.0607, 7.9242, 40.4741



14.8547, 8.7042, 21.8944



4.6618, 4.6617, 5.8549



6.6871, 2.9815, 21.3597



0.0316, 0.0147, 0.0744

Previews

White Background



This preview shows how the XYZ color 12.8759, 19.2339, 5.7232 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 12.8759, 19.2339, 5.7232 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 12.8759, 19.2339, 5.7232

Background



This preview shows how black text looks on a background with the XYZ color 12.8759, 19.2339, 5.7232.



This preview shows how white text looks on a background with the XYZ color 12.8759, 19.2339,

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

12.8759, 19.2339, 5.7232

Protanopia

17.2651, 19.0001, 5.0429

Deuteranopia

19.3510, 19.0025, 6.0161



Tritanopia

16.8524, 19.0691, 25.7142

Trichromacy



Original Color

12.8759, 19.2339, 5.7232

Protanomaly

15.2516, 18.8855, 5.2243

Deuteranomaly

16.3095, 18.6701, 5.8761

Tritanomaly

14.7834, 18.7973, 15.6810

Monochromacy



Original Color

12.8759, 19.2339, 5.7232

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.6840, 16.6485, 11.5091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8759, 19.2339, 5.7232 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(86, 134, 47)` looks like.

```
.text, #text, p{  
    color:rgb(86, 134, 47)  
}
```

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(86, 134, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 134, 47) }
```

Border

The CSS property to change the border of an element to XYZ 12.8759, 19.2339, 5.7232 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(86, 134, 47) }
```


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

```
.border{ border-color:rgb(86, 134, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 134, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 134, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 134, 47);  
box-shadow:4px 4px 4px 4px rgb(86, 134,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8759, 19.2339, 5.7232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 134, 47) }
```

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

```
.background{ background-color: rgb(86, 134,  
47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor