

Converting Colors

XYZ(12.1349, 18.7762, 5.4235)

Have a look what the booklet for
XYZ(12.1349, 18.7762, 5.4235)
contains.

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Color

**XYZ(12.2232, 18.9019,
5.4868)**

Conversions

Conversions Part 1

Format	Color
Hex	4F862D
RGB	79, 134, 45
RGB Percent	31%, 53%, 18%
CMY	0.6902, 0.4745, 0.8235
CMYK	0.41, 0.00, 0.66, 0.47
HSL	97°, 50%, 35%
HSV	97°, 66%, 53%
XYZ	12.2232, 18.9019, 5.4868
YIQ	107.4090, -4.2110, -39.3390

Conversions

Conversions Part 2

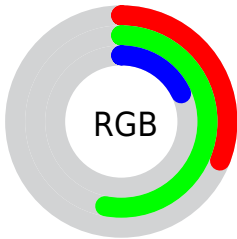
Format	Color
RYB	45, 134, 100
Decimal	5211693
CIELab	50.57, -34.57, 40.91
CIELCh	51, 53.559, 130.201
Yxy	18.9019, 0.3339, 0.5163
Android (android.graphics.Color)	4283401773 (0xFF4F862D)
YUV	107.4090, -30.7676, -24.9147
Hunter-Lab	43.4763, -25.8990, 22.9509

Details

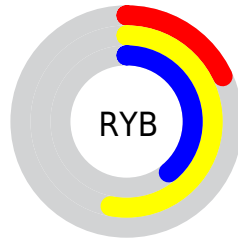
The XYZ color **12.2232, 18.9019, 5.4868** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.4978, 6.3079, 23.2195**, and the grayscale version is **14.1731, 14.9112, 16.2383**.

A 20% lighter version of the original color is **29.5645, 41.6982, 17.3168**, and **3.5712, 6.5473, 1.0755** is the 20% darker color. If you saturate the color by 10%, you get **11.3588, 18.4821, 4.3071**, and if you desaturate by 10%, it is **13.2563, 19.4004, 7.1029**.

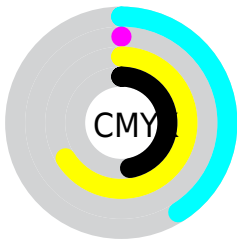
Distribution



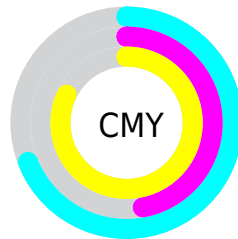
- Red (31%)
- Green (53%)
- Blue (18%)



- Red (18%)
- Yellow (53%)
- Blue (39%)



- Cyan (41%)
- Magenta (0%)
- Yellow (66%)
- Black (47%)



- Cyan (69%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2232, 18.9019, 5.4868 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 12.2232, 18.9019, 5.4868 by changing the saturation by 10% instead.

■ 12.2232, 18.9019,
5.4868

■ 12.2232, 18.9019,
5.4868

199.6173,
245.9067, 163.5431

■ 6.9692, 11.5994,
2.4719

■ 29.5143, 41.5683,
17.3149

■ 3.4890, 6.4715,
0.8252

■ 42.2821, 57.7009,
26.9653

■ 1.4173, 3.1339,
0.0000

■ 58.2852, 77.5458,
39.6645

■ 0.2685, 1.2020,
0.0000

■ 77.8889, 101.4872,
55.8312

■ 0.0000, 0.0634,
0.0000

■ 101.4586,
129.9096, 75.8838

■ 0.0000, 0.0000,
0.0000

■ 129.3596,

163.1974, 100.2410

161.9574,
201.7350, 129.3213

■ 12.2232, 18.9019,
5.4868

■ 12.2232, 18.9019,
5.4868

■ 11.3588, 18.4821,
4.3071

■ 13.2563, 19.4004,
7.1029

■ 10.6505, 18.1336,
3.5198

■ 14.4668, 19.9794,
9.1912

■ 10.0815, 17.8501,
3.0519

■ 15.8642, 20.6438,
11.7853

■ 9.9002, 17.7597,
2.9062

■ 17.4568, 21.3973,
14.9153

■ 19.2527, 22.2432,
18.6090

■ 21.2591, 23.1848,
22.8923

■ 23.4831, 24.2252,
27.7895

■ 25.9312, 25.3673,
33.3234

■ 28.6100, 26.6140,
39.5158

Harmonies

Analogous

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



16.2423, 18.9019, 3.2544



12.2232, 18.9019, 5.4868



10.0654, 18.9019, 12.2835

Triad

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



12.2232, 18.9019, 5.4868



14.7691, 18.9019, 61.3316



29.7966, 18.9019, 15.8884

Complementary

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



12.2232, 18.9019, 5.4868



10.4978, 6.3079, 23.2195

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.



29.1904, 18.9019, 31.9632



12.2232, 18.9019, 5.4868



19.8069, 18.9019, 63.9515

Square

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



12.2232, 18.9019, 5.4868



11.3255, 18.9019, 45.3410



25.2728, 18.9019, 51.3601



26.7966, 18.9019, 7.0232

Rectangle

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



12.2232, 18.9019, 5.4868



9.6667, 18.9019, 20.6824



25.2728, 18.9019, 51.3601



30.0199, 18.9019, 20.4799

Sweetspot

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



12.2236, 18.9027, 5.4872



32.6030, 38.5690, 30.0452



14.8519, 14.3505, 4.4700



7.1759, 8.6095, 6.4212



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.



12.2236, 18.9027, 5.4872



19.3124, 32.2189, 6.7663



10.3067, 17.8885, 6.5727



4.7720, 5.2850, 4.9980



9.2889, 16.6485, 2.7239



0.0399, 0.0616, 0.0098

Inverse Universe

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



10.4978, 6.3079, 23.2195



15.9759, 8.2384, 40.4865



14.3845, 8.3911, 19.8043



4.6901, 4.6764, 5.8562



7.3723, 3.3347, 21.3918



0.0337, 0.0158, 0.0745

Previews

White Background



This preview shows how the XYZ color 12.2232, 18.9019, 5.4868 looks on a white background.

Color Contrast Check

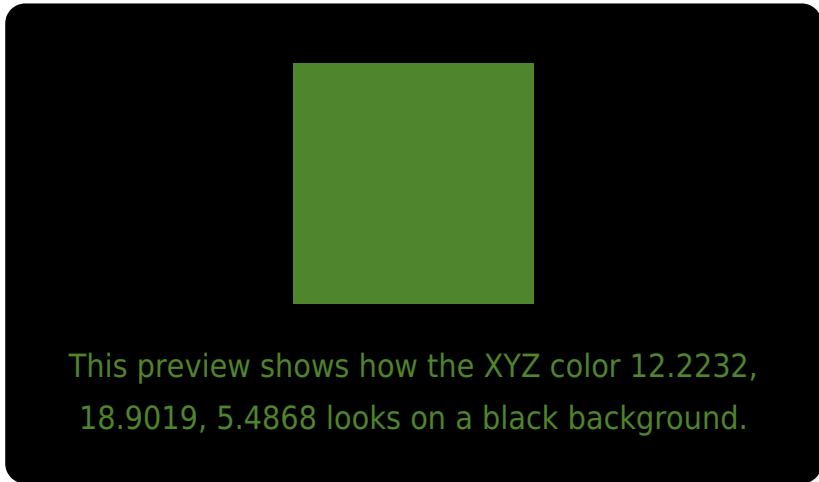
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

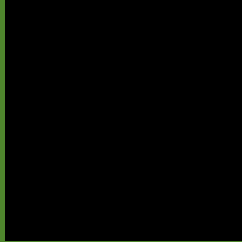
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.2232, 18.9019, 5.4868

Background



This preview shows how black text looks on a background with the XYZ color 12.2232, 18.9019, 5.4868.



This preview shows how white text looks on a background with the XYZ color 12.2232, 18.9019,

5.4868.

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

12.2232, 18.9019, 5.4868

Protanopia

16.9482, 18.6614, 4.8066

Deuteranopia

19.0316, 18.6721, 5.8498



Tritanopia

16.2210, 18.7437, 25.6846

Trichromacy



Original Color

12.2232, 18.9019, 5.4868

Protanomaly

14.6910, 18.4118, 4.9700

Deuteranomaly

15.7039, 18.1816, 5.5874

Tritanomaly

14.1419, 18.4724, 15.3905

Monochromacy



Original Color

12.2232, 18.9019, 5.4868

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.8913, 15.9041, 10.7779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2232, 18.9019, 5.4868 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(79, 134, 45)` looks like.

```
.text, #text, p{  
    color:rgb(79, 134, 45)  
}
```

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(79, 134, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 134, 45) }
```

Border

The CSS property to change the border of an element to XYZ 12.2232, 18.9019, 5.4868 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(79, 134, 45) }
```


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

```
.border{ border-color:rgb(79, 134, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 134, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 134, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 134, 45);  
box-shadow:4px 4px 4px 4px rgb(79, 134,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2232, 18.9019, 5.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 134, 45) }
```

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

```
.background{ background-color: rgb(79, 134,  
45) }
```

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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