

Converting Colors

XYZ(12.4307, 18.4567, 2.9073)

Have a look what the booklet for
XYZ(12.4307, 18.4567, 2.9073)
contains.

XYZ(12.4307, 18.4567, 2.9073)	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>	30

Color

**XYZ(12.4307, 18.4567,
2.9073)**

Conversions

Conversions Part 1

Format	Color
Hex	5B8300
RGB	91, 131, 0
RGB Percent	36%, 51%, 0%
CMY	0.6431, 0.4863, 1.0000
CMYK	0.31, 0.00, 1.00, 0.49
HSL	78°, 100%, 26%
HSV	78°, 100%, 51%
XYZ	12.4307, 18.4567, 2.9073
YIQ	104.1060, 18.2110, -49.2210

Conversions

Conversions Part 2

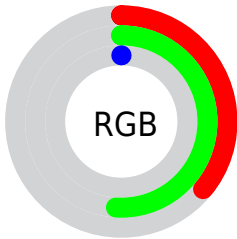
Format	Color
RYB	0, 131, 40
Decimal	5997312
CIELab	50.05, -30.88, 54.09
CIELCh	50, 62.287, 119.720
Yxy	18.4567, 0.3678, 0.5461
Android (android.graphics.Color)	4284187392 (0xFF5B8300)
YUV	104.1060, -51.3243, -11.4940
Hunter-Lab	42.9613, -23.5338, 26.0606

Details

The XYZ color **12.4307, 18.4567, 2.9073** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.9725, 2.0903, 21.6151**, and the grayscale version is **13.3170, 14.0106, 15.2575**.

A 20% lighter version of the original color is **29.8009, 40.6941, 11.4383**, and **3.7791, 6.3162, 1.0200** is the 20% darker color. If you saturate the color by 10%, you get **12.4308, 18.4574, 2.9075**, and if you desaturate by 10%, it is **12.9094, 18.6956, 3.3127**.

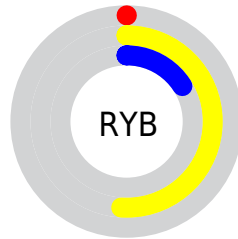
Distribution



Red (36%)

Green (51%)

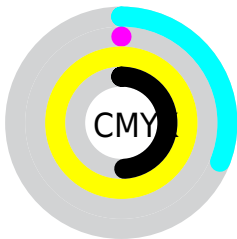
Blue (0%)



Red (0%)

Yellow (51%)

Blue (16%)

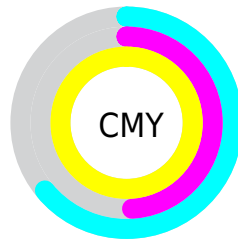


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (64%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4307, 18.4567, 2.9073 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 12.4307, 18.4567, 2.9073 by changing the saturation by 10% instead.

■ 12.4307, 18.4567,
2.9073

■ 12.4307, 18.4567,
2.9073

200.9484,
243.4328, 135.1711

■ 7.1120, 11.2784,
1.0475

■ 29.8872, 40.8140,
11.3988

■ 3.5792, 6.2544,
0.0000

■ 42.7558, 56.7618,
18.8676

■ 1.4669, 3.0004,
0.0000

■ 58.8717, 76.4015,
29.0432

■ 0.3032, 1.1319,
0.0000

■ 78.6002, 100.1175,
42.3440


■ 0.0000, 0.0050,
0.0000


■ 102.3068,
128.2942, 59.1887


■ 0.0000, 0.0000,
0.0000


■ 130.3568,


161.3161, 79.9957


 163.1155,
199.5675, 105.1837


 12.4307, 18.4567,
2.9073


 12.4307, 18.4567,
2.9073


 12.4308, 18.4574,
2.9075

 12.9094, 18.6956,
3.3127

 13.4512, 18.9616,
3.9405

 14.0817, 19.2655,
4.9228

 14.8094, 19.6109,
6.3021

 15.6415, 20.0006,
8.1148

■ 16.5844, 20.4372,
10.3935

■ 17.6440, 20.9232,
13.1675

■ 18.8257, 21.4606,
16.4636

■ 20.1345, 22.0516,
20.3068

Harmonies

Analogous

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



17.5988, 18.4567, 1.8683



12.4307, 18.4567, 2.9073



9.3592, 18.4567, 7.6327

Triad

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



12.4307, 18.4567, 2.9073



12.3535, 18.4567, 64.1456



31.7603, 18.4567, 20.2576

Complementary

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



12.4307, 18.4567, 2.9073



4.9725, 2.0903, 21.6151

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.



29.4837, 18.4567, 41.7319



12.4307, 18.4567, 2.9073



17.4864, 18.4567, 74.4005

Square

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



12.4307, 18.4567, 2.9073



9.3223, 18.4567, 41.2799



23.8929, 18.4567, 64.4951



29.5632, 18.4567, 7.7798

Rectangle

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



12.4307, 18.4567, 2.9073



8.4767, 18.4567, 14.7670



23.8929, 18.4567, 64.4951



31.4868, 18.4567, 26.5742

Sweetspot

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



12.4311, 18.4575, 2.9077



31.4558, 37.4036, 23.2024



10.0962, 6.2968, 0.6835



7.1595, 8.6333, 4.9651



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.



12.4311, 18.4575, 2.9077



22.0980, 32.9683, 5.1988



8.5480, 16.4557, 2.7260



4.9050, 5.3536, 5.0042



12.2385, 18.1691, 2.8620



0.0499, 0.0668, 0.0103

Inverse Universe

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



4.9725, 2.0903, 21.6151



8.7615, 3.6692, 38.6996



9.8997, 4.6303, 21.8457



4.5584, 4.6084, 5.8500



4.8966, 2.0585, 21.2759



0.0237, 0.0106, 0.0740

Previews

White Background



This preview shows how the XYZ color 12.4307, 18.4567, 2.9073 looks on a white background.

Color Contrast Check

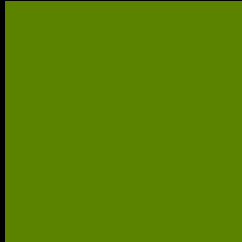
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4307, 18.4567, 2.9073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

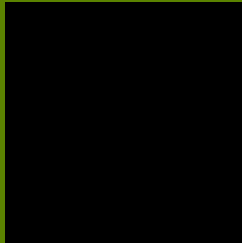
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.4307, 18.4567, 2.9073

Background



This preview shows how black text looks on a background with the XYZ color 12.4307, 18.4567, 2.9073.



This preview shows how white text looks on a background with the XYZ color 12.4307, 18.4567,

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

12.4307, 18.4567, 2.9073

Deuteranopia

18.6583, 18.3645, 3.4810

Tritanopia

16.7652, 18.5008, 24.1601

Trichromacy



Original Color

12.4307, 18.4567, 2.9073

Deuteranomaly

15.8633, 18.1375, 3.1550

Tritanomaly

14.0405, 17.9444, 10.9072

Monochromacy



Original Color

12.4307, 18.4567, 2.9073

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.1463, 15.0806, 7.4249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4307, 18.4567, 2.9073 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(91, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 131, 0)  
}
```

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(91, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 131, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4307, 18.4567, 2.9073 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(91, 131, 0) }
```

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

```
.border{ border-color:rgb(91, 131, 0) }
```

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

Here you see how a box with a 4 pixel rgb(91, 131, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 131, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 12.4307, 18.4567, 2.9073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 131, 0) }
```

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

```
.background{ background-color: rgb(91, 131,  
0) }
```

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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