

Converting Colors

XYZ(11.6265, 18.3559, 0.0000)

Have a look what the booklet for
XYZ(11.6265, 18.3559, 0.0000)
contains.

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Color

**XYZ(12.1817, 18.5288,
2.9344)**

Conversions

Conversions Part 1

Format	Color
Hex	578400
RGB	87, 132, 0
RGB Percent	34%, 52%, 0%
CMY	0.6588, 0.4823, 1.0000
CMYK	0.34, 0.00, 1.00, 0.48
HSL	80°, 100%, 26%
HSV	80°, 100%, 52%
XYZ	12.1817, 18.5288, 2.9344
YIQ	103.4970, 15.5520, -50.5920

Conversions

Conversions Part 2

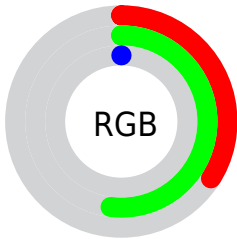
Format	Color
RYB	0, 132, 45
Decimal	5735424
CIELab	50.13, -32.96, 54.06
CIELCh	50, 63.311, 121.369
Yxy	18.5288, 0.3621, 0.5507
Android (android.graphics.Color)	4283925504 (0xFF578400)
YUV	103.4970, -51.0240, -14.4679
Hunter-Lab	43.0451, -24.8137, 26.0897

Details

The XYZ color **12.1817, 18.5288, 2.9344** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.2480, 2.2245, 21.9837**, and the grayscale version is **13.1533, 13.8383, 15.0699**.

A 20% lighter version of the original color is **29.3168, 40.7540, 11.4754**, and **3.6770, 6.3747, 1.0366** is the 20% darker color. If you saturate the color by 10%, you get **12.1817, 18.5294, 2.9345**, and if you desaturate by 10%, it is **12.6895, 18.7826, 3.3445**.

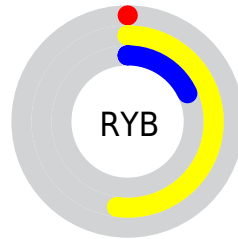
Distribution



Red (34%)

Green (52%)

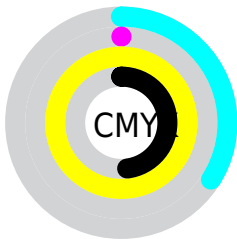
Blue (0%)



Red (0%)

Yellow (52%)

Blue (18%)

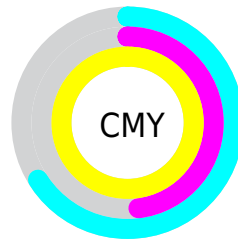


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (66%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1817, 18.5288, 2.9344 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 12.1817, 18.5288, 2.9344 by changing the saturation by 10% instead.

■ 12.1817, 18.5288,
2.9344

■ 12.1817, 18.5288,
2.9344

199.3499,
243.8350, 135.5207

■ 6.9406, 11.3303,
1.0612

■ 29.4396, 40.9363,
11.4661

■ 3.4710, 6.2895,
0.0000

■ 42.1871, 56.9142,
18.9618

■ 1.4075, 3.0219,
0.0000

■ 58.1675, 76.5873,
29.1687

■ 0.2615, 1.1432,
0.0000

■ 77.7462, 100.3400,
42.5053


■ 0.0000, 0.0145,
0.0000


■ 101.2883,
128.5567, 59.3903


■ 0.0000, 0.0000,
0.0000


■ 129.1595,


161.6218, 80.2422


 161.7249,
199.9198, 105.4795


 12.1817, 18.5288,
2.9344


 12.1817, 18.5288,
2.9344


 12.1817, 18.5294,
2.9345

 12.6895, 18.7826,
3.3445

 13.2667, 19.0667,
3.9825

 13.9393, 19.3920,
4.9813

 14.7159, 19.7621,
6.3843

 15.6041, 20.1801,
8.2288

■ 16.6106, 20.6487,
10.5478

■ 17.7414, 21.1703,
13.3712

■ 19.0022, 21.7473,
16.7264

■ 20.3982, 22.3818,
20.6390

Harmonies

Analogous

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



17.3322, 18.5288, 1.7766



12.1817, 18.5288, 2.9344



9.1888, 18.5288, 7.9760

Triad

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



12.1817, 18.5288, 2.9344



12.5655, 18.5288, 66.3836



32.1398, 18.5288, 19.3823

Complementary

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



12.1817, 18.5288, 2.9344



5.2480, 2.2245, 21.9837

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.



30.0491, 18.5288, 40.9422



12.1817, 18.5288, 2.9344



17.8929, 18.5288, 75.8725

Square

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



12.1817, 18.5288, 2.9344



9.3717, 18.5288, 43.2123



24.4529, 18.5288, 64.6230



29.6505, 18.5288, 7.2501

Rectangle

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



12.1817, 18.5288, 2.9344



8.3706, 18.5288, 15.5400



24.4529, 18.5288, 64.6230



31.9467, 18.5288, 25.6499

Sweetspot

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



12.1821, 18.5296, 2.9348



31.1078, 37.2242, 23.1861



10.4173, 6.7078, 0.7460



7.0704, 8.5873, 4.9609



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.



12.1821, 18.5296, 2.9348



21.2929, 32.5532, 5.1611



8.5828, 16.6741, 2.7664



4.8896, 5.3457, 5.0035



11.8002, 17.9432, 2.8414



0.0487, 0.0662, 0.0102

Inverse Universe

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



5.2480, 2.2245, 21.9837



9.0961, 3.8417, 38.7153



10.5961, 4.9815, 22.2340



4.5731, 4.6160, 5.8507



5.0861, 2.1561, 21.2848



0.0249, 0.0112, 0.0741

Previews

White Background



This preview shows how the XYZ color 12.1817, 18.5288, 2.9344 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 12.1817, 18.5288, 2.9344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

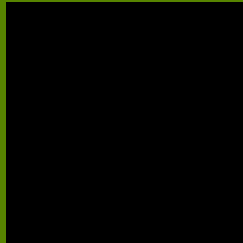
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.1817, 18.5288, 2.9344

Background



This preview shows how black text looks on a background with the XYZ color 12.1817, 18.5288, 2.9344.



This preview shows how white text looks on a background with the XYZ color 12.1817, 18.5288,

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

12.1817, 18.5288, 2.9344

Protanopia

16.4283, 18.2620, 2.6590

Deuteranopia

18.6583, 18.3645, 3.4810



Tritanopia

16.6146, 18.5986, 24.5440

Trichromacy



Original Color

12.1817, 18.5288, 2.9344

Protanomaly

14.5438, 18.1972, 2.7459

Deuteranomaly

15.5624, 17.9824, 3.1409

Tritanomaly

13.8850, 18.0486, 11.1394

Monochromacy



Original Color

12.1817, 18.5288, 2.9344

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.9304, 14.9694, 7.4148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1817, 18.5288, 2.9344 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(87, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 132, 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(87, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.1817, 18.5288, 2.9344 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(87, 132, 0) }
```


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

```
.border{ border-color:rgb(87, 132, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 132, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1817, 18.5288, 2.9344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 132, 0) }
```

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

```
.background{ background-color: rgb(87, 132,  
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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