

Converting Colors

XYZ(12.2318, 11.0818, 1.4943)

Have a look what the booklet for
XYZ(12.2318, 11.0818, 1.4943)
contains.

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Color

**XYZ(12.3018, 11.1641,
1.5065)**

Conversions

Conversions Part 1

Format	Color
Hex	815500
RGB	129, 85, 0
RGB Percent	51%, 33%, 0%
CMY	0.4941, 0.6667, 1.0000
CMYK	0.00, 0.34, 1.00, 0.49
HSL	40°, 100%, 25%
HSV	40°, 100%, 51%
XYZ	12.3018, 11.1641, 1.5065
YIQ	88.4660, 53.5090, -17.1070

Conversions

Conversions Part 2

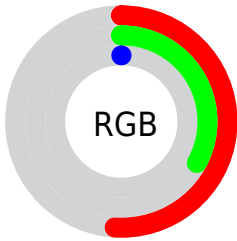
Format	Color
R_{YB}	67, 129, 0
Decimal	8475904
CIE Lab	39.86, 12.16, 48.29
CIE LCh	40, 49.797, 75.864
Yxy	11.1641, 0.4926, 0.4471
Android (android.graphics.Color)	4286665984 (0xFF815500)
YUV	88.4660, -43.6137, 35.5483
Hunter-Lab	33.4127, 7.2474, 20.7157

Details

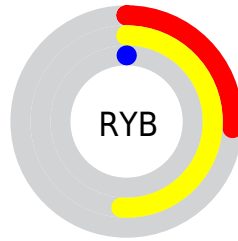
The XYZ color **12.3018, 11.1641, 1.5065** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.8632, 3.3864, 21.1662**, and the grayscale version is **9.4628, 9.9556, 10.8416**.

A 20% lighter version of the original color is **29.6522, 28.0625, 7.7247**, and **3.5828, 2.9734, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **12.3019, 11.1645, 1.5066**, and if you desaturate by 10%, it is **12.7313, 11.9080, 2.0050**.

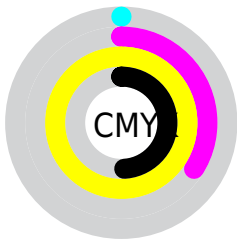
Distribution



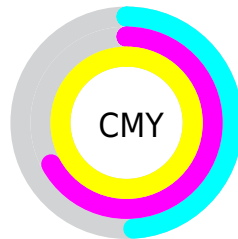
- Red (51%)
- Green (33%)
- Blue (0%)



- Red (26%)
- Yellow (51%)
- Blue (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (100%)
- Black (49%)



- Cyan (49%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3018, 11.1641, 1.5065 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 12.3018, 11.1641, 1.5065 by changing the saturation by 10% instead.

12.3018, 11.1641,
1.5065

12.3018, 11.1641,
1.5065

200.1225,
198.7899, 114.1703

7.0232, 6.1773,
0.2228

29.6557, 27.9632,
7.6415

3.5231, 2.9532,
0.0000

42.4617, 40.5443,
13.5037

1.4360, 1.1073,
0.0000

58.5076, 56.4257,
21.7870

0.2817, 0.0000,
0.0000

78.1588, 75.9917,
32.9101


0.0000, 0.0000,
0.0000


101.7805, 99.6267,
47.2914


129.7381,


127.7152, 65.3495


 162.3970,
160.6415, 87.5029


 12.3018, 11.1641,
1.5065


 12.3018, 11.1641,
1.5065


 12.3019, 11.1645,
1.5066

 12.7313, 11.9080,
2.0050

 13.2227, 12.7112,
2.7224

 13.8012, 13.5850,
3.7886

 14.4750, 14.5331,
5.2444

 15.2510, 15.5589,
7.1253

■ 16.1355, 16.6655,
9.4624

■ 17.1342, 17.8556,
12.2841

■ 18.2524, 19.1320,
15.6164

■ 19.4949, 20.4970,
19.4834

Harmonies

Analogous

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



15.8883, 11.1641, 3.0236



12.3018, 11.1641, 1.5065



8.9112, 11.1641, 1.5434

Triad

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



12.3018, 11.1641, 1.5065



5.4542, 11.1641, 18.0732



16.0727, 11.1641, 30.5829

Complementary

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



12.3018, 11.1641, 1.5065



4.8632, 3.3864, 21.1662

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.



12.5146, 11.1641, 40.8123



12.3018, 11.1641, 1.5065



6.6548, 11.1641, 31.3326

Square

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



12.3018, 11.1641, 1.5065



5.4213, 11.1641, 8.1076



9.0829, 11.1641, 41.1431



18.3622, 11.1641, 17.3672

Rectangle

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



12.3018, 11.1641, 1.5065



7.2022, 11.1641, 2.3834



9.0829, 11.1641, 41.1431



14.9549, 11.1641, 34.7360

Sweetspot

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



12.3020, 11.1647, 1.5067



30.5505, 31.8201, 21.6121



9.5299, 4.8578, 2.9334



6.7687, 7.0300, 4.4725



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.



12.3020, 11.1647, 1.5067



21.8857, 19.7045, 2.6498



14.2373, 18.9931, 2.9158



4.5457, 4.7801, 4.6032



11.9985, 10.8933, 1.4702



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.8632, 3.3864, 21.1662



8.5789, 5.8045, 37.8607



4.2380, 1.7271, 20.8789



4.2195, 4.4329, 5.4465



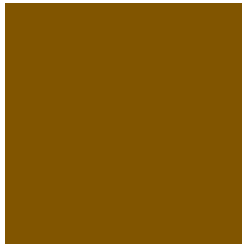
4.7451, 3.3087, 20.6385



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3018, 11.1641, 1.5065 looks on a white 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

Black 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

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

XYZ 12.3018, 11.1641, 1.5065

Background



This preview shows how black text looks on a background with the XYZ color 12.3018, 11.1641, 1.5065.



This preview shows how white text looks on a background with the XYZ color 12.3018, 11.1641,

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

12.3018, 11.1641, 1.5065

Protanopia

10.2049, 11.3299, 1.9075

Tritanopia

14.1085, 11.2344, 10.0192

Trichromacy



Original Color

12.3018, 11.1641, 1.5065

Protanomaly

10.8442, 11.1402, 1.7510

Tritanomaly

13.1240, 11.0567, 4.9325

Monochromacy



Original Color

12.3018, 11.1641, 1.5065

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.7155, 9.9855, 5.1567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3018, 11.1641, 1.5065 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(129, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 85, 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(129, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.3018, 11.1641, 1.5065 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(129, 85, 0) }
```

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

```
.border{ border-color:rgb(129, 85, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 85, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 85, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 12.3018, 11.1641, 1.5065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 85, 0) }
```

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

```
.background{ background-color: rgb(129, 85,  
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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