

Converting Colors

XYZ(0.8716, 0.0000, 0.2853)

Have a look what the booklet for
XYZ(0.8716, 0.0000, 0.2853)
contains.

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Color

XYZ(1.1871, 0.6050, 0.3708)

Conversions

Conversions Part 1	
Format	Color
Hex	2E000B
RGB	46, 0, 11
RGB Percent	18%, 0%, 4%
CMY	0.8196, 1.0000, 0.9569
CMYK	0.00, 1.00, 0.76, 0.82
HSL	346°, 100%, 9%
HSV	346°, 100%, 18%
XYZ	1.1871, 0.6050, 0.3708
YIQ	15.0080, 23.8850, 13.1730

Conversions

Conversions Part 2

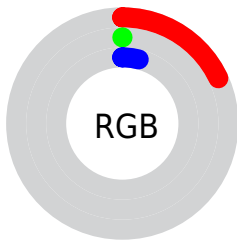
Format	Color
RYB	46, 0, 11
Decimal	3014667
CIELab	5.46, 23.49, 4.12
CIELCh	5, 23.845, 9.946
Yxy	0.6050, 0.5488, 0.2797
Android (android.graphics.Color)	4281204747 (0xFF2E000B)
YUV	15.0080, -1.9759, 27.1800
Hunter-Lab	7.7782, 13.6307, 2.6183

Details

The XYZ color **1.1871, 0.6050, 0.3708** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **1.2804, 2.0753, 1.9234**, and the grayscale version is **0.4545, 0.4781, 0.5207**.

A 20% lighter version of the original color is **6.2441, 4.5323, 4.1602**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **1.1871, 0.6050, 0.3708**, and if you desaturate by 10%, it is **1.2593, 0.7138, 0.5049**.

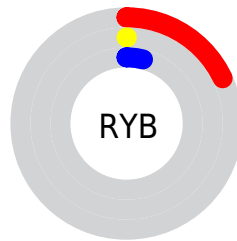
Distribution



Red (18%)

Green (0%)

Blue (4%)



Red (18%)

Yellow (0%)

Blue (4%)

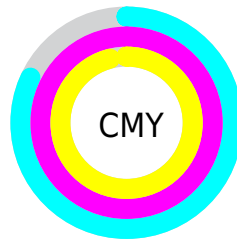


Cyan (0%)

Magenta (100%)

Yellow (76%)

Black (82%)



Cyan (82%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 1.1871, 0.6050, 0.3708 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 1.1871, 0.6050, 0.3708 by changing the saturation by 10% instead.


 1.1871, 0.6050,
0.3708

 1.1871, 0.6050,
0.3708


 97.3109, 88.7239,
90.5265


 0.0961, 0.0000,
0.0000


 6.2873, 4.5674,
4.1622

 0.0000, 0.0000,
0.0000

 11.2258, 8.7329,
8.2451


 18.2436, 14.8767,
14.3821


 27.7062, 23.3832,
22.9917


 39.9788, 34.6368,
34.4923


 55.4269, 49.0218,


49.3027


 74.4158, 66.9227,
67.8412


 1.1871, 0.6050,
0.3708

 1.2593, 0.7138,
0.5049

 1.3357, 0.8243,
0.6610

 1.4211, 0.9456,
0.8416

 1.5250, 1.0968,
1.0510

 1.6488, 1.2800,
1.2904

■ 1.7933, 1.4969,
1.5609

■ 1.9595, 1.7491,
1.8637

■ 2.1483, 2.0381,
2.1997

■ 2.3605, 2.3654,
2.5699

Harmonies

Analogous

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



1.1540, 0.6050, 1.2556



1.1871, 0.6050, 0.3708



1.0344, 0.6050, 0.0000

Triad

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



1.1871, 0.6050, 0.3708



0.2013, 0.6050, 0.0000



0.3754, 0.6050, 2.8536

Complementary

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



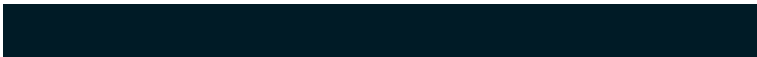
1.1871, 0.6050, 0.3708



1.2804, 2.0753, 1.9234

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.



0.1288, 0.6050, 1.9491



1.1871, 0.6050, 0.3708



0.0282, 0.6050, 0.0871

Square

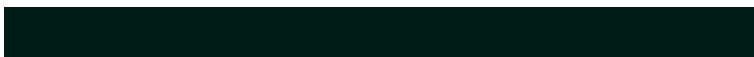
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



1.1871, 0.6050, 0.3708



0.4745, 0.6050, 0.0000



0.0017, 0.6050, 0.9467



0.6756, 0.6050, 3.0132

Rectangle

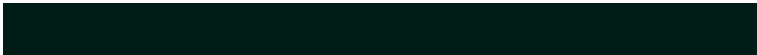
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



1.1871, 0.6050, 0.3708



0.8668, 0.6050, 0.0000



0.0017, 0.6050, 0.9467



0.2835, 0.6050, 2.6074

Sweetspot

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



1.1871, 0.6050, 0.3708



3.0565, 2.7003, 2.8692



1.1695, 0.5459, 2.6285



0.9429, 0.8297, 0.8806



32.5443, 34.2392, 37.2864



1.2748, 1.3412, 1.4605

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



1.1871, 0.6050, 0.3708



1.8624, 0.9509, 0.5016



1.2522, 0.8319, 0.0946



0.7513, 0.7602, 0.8265



4.0354, 2.0650, 0.8822



28.3922, 14.5671, 4.4719

Inverse Universe

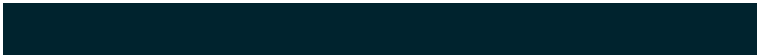
The Inverse Universe completely reimagines the original color for something new.



1.1871, 0.6050, 0.3708



1.8624, 0.9509, 0.5016



1.0796, 1.3701, 2.7923



0.7513, 0.7602, 0.8265



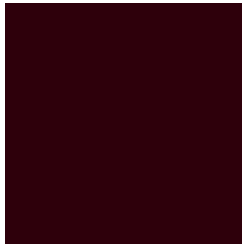
4.0354, 2.0650, 0.8822



28.3922, 14.5671, 4.4719

Previews

White Background



This preview shows how the XYZ color 1.1871, 0.6050, 0.3708 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 ✓ Pass

Black Background



This preview shows how the XYZ color 1.1871, 0.6050, 0.3708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 1.1871, 0.6050, 0.3708

Background



This preview shows how black text looks on a background with the XYZ color 1.1871, 0.6050, 0.3708.



This preview shows how white text looks on a background with the XYZ color 1.1871, 0.6050, 0.3708.

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

1.1871, 0.6050, 0.3708

Protanopia

0.8085, 0.8599, 0.6537

Deuteranopia

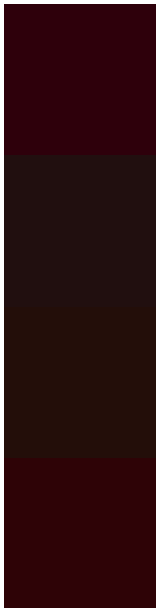
0.8374, 0.8526, 0.3502



Tritanopia

1.1974, 0.6960, 0.1574

Trichromacy



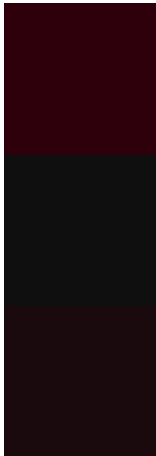
Original Color
1.1871, 0.6050, 0.3708

Protanomaly
0.8842, 0.6995, 0.5403

Deuteranomaly
0.8995, 0.6911, 0.3444

Tritanomaly
1.1921, 0.6591, 0.2367

Monochromacy



Original Color
1.1871, 0.6050, 0.3708

Achromatopsia
0.4540, 0.4777, 0.5202

Achromatomaly
0.6138, 0.4684, 0.4735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.1871, 0.6050, 0.3708 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(46, 0, 11)` looks like.

```
.text, #text, p{  
    color:rgb(46, 0, 11)  
}
```

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(46, 0, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 0, 11) }
```

Border

The CSS property to change the border of an element to XYZ 1.1871, 0.6050, 0.3708 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(46, 0, 11) }
```

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

```
.border{ border-color:rgb(46, 0, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 0, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 0, 11); -webkit-box-shadow:4px  
4px 4px 4px rgb(46, 0, 11); box-shadow:4px  
4px 4px 4px rgb(46, 0, 11) }
```


Background

The CSS property to change the background color of an element to XYZ 1.1871, 0.6050, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 0, 11) }
```

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

```
.background{ background-color: rgb(46, 0,  
11) }
```

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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