

Converting Colors

XYZ(12.0145, 6.3869, 0.7436)

Have a look what the booklet for
XYZ(12.0145, 6.3869, 0.7436)
contains.

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Color

**XYZ(12.0129, 6.3849,
0.7428)**

Conversions

Conversions Part 1

Format	Color
Hex	920C05
RGB	146, 12, 5
RGB Percent	57%, 5%, 2%
CMY	0.4275, 0.9529, 0.9804
CMYK	0.00, 0.92, 0.97, 0.43
HSL	3°, 93%, 30%
HSV	3°, 97%, 57%
XYZ	12.0129, 6.3849, 0.7428
YIQ	51.2680, 82.1110, 26.2310

Conversions

Conversions Part 2

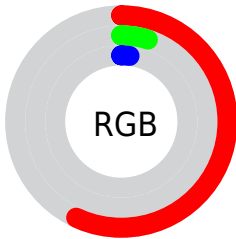
Format	Color
R_{YB}	146, 12, 5
Decimal	9571333
CIE _{Lab}	30.36, 51.08, 41.73
CIE _{LCh}	30, 65.956, 39.245
Yxy	6.3849, 0.6276, 0.3336
Android (android.graphics.Color)	4287761413 (0xFF920C05)
YUV	51.2680, -22.8101, 83.0800
Hunter-Lab	25.2684, 40.6415, 15.9449

Details

The XYZ color **12.0129, 6.3849, 0.7428** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **14.4804, 20.5666, 30.4004**, and the grayscale version is **3.1981, 3.3647, 3.6641**.

A 20% lighter version of the original color is **29.1260, 18.6811, 5.2027**, and **3.8378, 1.9784, 0.1796** is the 20% darker color. If you saturate the color by 10%, you get **11.9328, 6.2687, 0.5811**, and if you desaturate by 10%, it is **12.3437, 6.8941, 1.3234**.

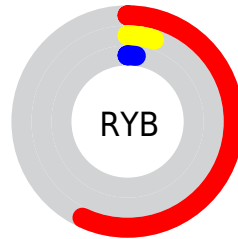
Distribution



Red (57%)

Green (5%)

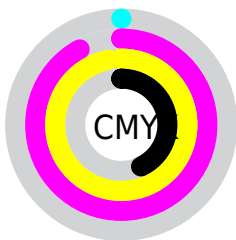
Blue (2%)



Red (57%)

Yellow (5%)

Blue (2%)

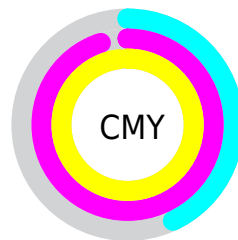


Cyan (0%)

Magenta (92%)

Yellow (97%)

Black (43%)



Cyan (43%)


Magenta (95%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0129, 6.3849, 0.7428 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 12.0129, 6.3849, 0.7428 by changing the saturation by 10% instead.


 12.0129, 6.3849,
0.7428


 12.0129, 6.3849,
0.7428


 198.2588,
162.4502, 98.4297


 6.8247, 3.0805,
0.0000


 29.1353, 18.7246,
5.2283


 3.3981, 1.1739,
0.0000

 41.8001, 28.5288,
9.9005


 1.3676, 0.0402,
0.0000

 57.6880, 41.2683,
16.7559

 0.2330, 0.0000,
0.0000


 77.1641, 57.3276,
26.2130


 0.0000, 0.0000,
0.0000

 100.5939, 77.0910,
38.6904


 128.3427,

100.9430, 54.6066


 160.7759,
129.2679, 74.3802


 12.0129, 6.3849,
0.7428


 12.0129, 6.3849,
0.7428


 11.9328, 6.2687,
0.5811

 12.3437, 6.8941,
1.3234

 12.8965, 7.7294,
2.3407

 13.7065, 8.9358,
3.8859

 14.8000, 10.5497,
6.0175

 16.2001, 12.6032,
8.7863

■ 17.9274, 15.1251,
12.2375

■ 20.0008, 18.1418,
16.4123

■ 22.4377, 21.6779,
21.3487

■ 25.2544, 25.7561,
27.0817

Harmonies

Analogous

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



14.1411, 6.3849, 4.5378



12.0129, 6.3849, 0.7428



8.4568, 6.3849, 0.0000

Triad

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



12.0129, 6.3849, 0.7428



2.0056, 6.3849, 2.4631



7.0861, 6.3849, 41.5245

Complementary

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



12.0129, 6.3849, 0.7428



14.4804, 20.5666, 30.4004

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.



4.1786, 6.3849, 38.6527



12.0129, 6.3849, 0.7428



1.8601, 6.3849, 10.0993

Square

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



12.0129, 6.3849, 0.7428



3.0058, 6.3849, 0.0888



2.5033, 6.3849, 24.5103



10.7189, 6.3849, 30.6093

Rectangle

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



12.0129, 6.3849, 0.7428



6.1482, 6.3849, 0.0000



2.5033, 6.3849, 24.5103



5.9898, 6.3849, 42.2597

Sweetspot

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



12.0130, 6.3853, 0.7429



34.1167, 30.3077, 26.5977



16.7382, 8.1515, 26.0074



7.2792, 6.2906, 5.2918



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.0130, 6.3853, 0.7429



21.0139, 10.9845, 1.0127



14.7646, 11.8884, 1.6601



5.8226, 5.8590, 6.0645



10.5061, 5.5266, 0.5130



0.1332, 0.0768, 0.0078

Inverse Universe

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



14.4804, 20.5666, 30.4004



25.3339, 36.0234, 53.5915



7.4913, 6.5885, 28.0707



5.9396, 6.5133, 7.4139



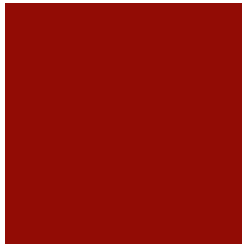
12.6611, 18.0169, 26.7413



0.1611, 0.2328, 0.3293

Previews

White Background



This preview shows how the XYZ color 12.0129, 6.3849, 0.7428 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



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 12.0129, 6.3849, 0.7428

Background



This preview shows how black text looks on a background with the XYZ color 12.0129, 6.3849, 0.7428.



This preview shows how white text looks on a background with the XYZ color 12.0129, 6.3849,

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

12.0129, 6.3849, 0.7428

Protanopia

6.1423, 6.7871, 1.6481

Deuteranopia

6.7044, 6.7075, 0.9413



Tritanopia

11.9980, 6.3988, 0.6027

Trichromacy



Original Color

12.0129, 6.3849, 0.7428

Protanomaly

7.2139, 5.4663, 1.1268

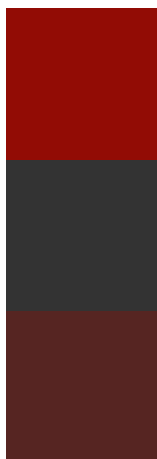
Deuteranomaly

7.7914, 5.6458, 0.7365

Tritanomaly

12.0089, 6.4032, 0.6604

Monochromacy



Original Color

12.0129, 6.3849, 0.7428

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.7881, 3.4171, 1.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0129, 6.3849, 0.7428 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(146, 12, 5)` looks like.

```
.text, #text, p{  
  color:rgb(146, 12, 5)  
}
```

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(146, 12, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 12, 5) }
```

Border

The CSS property to change the border of an element to XYZ 12.0129, 6.3849, 0.7428 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(146, 12, 5) }
```


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

```
.border{ border-color:rgb(146, 12, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 12, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 12, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 12, 5);  
box-shadow:4px 4px 4px 4px rgb(146, 12, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0129, 6.3849, 0.7428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 12, 5) }
```

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

```
.background{ background-color: rgb(146, 12,  
5) }
```

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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