

Converting Colors

XYZ(12.4133, 6.5512, 1.1761)

Have a look what the booklet for
XYZ(12.4133, 6.5512, 1.1761)
contains.

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Color

**XYZ(12.4305, 6.5567,
1.1827)**

Conversions

Conversions Part 1

Format	Color
Hex	940A12
RGB	148, 10, 18
RGB Percent	58%, 4%, 7%
CMY	0.4196, 0.9607, 0.9294
CMYK	0.00, 0.93, 0.88, 0.42
HSL	357°, 87%, 31%
HSV	357°, 93%, 58%
XYZ	12.4305, 6.5567, 1.1827
YIQ	52.1740, 79.6800, 31.7440

Conversions

Conversions Part 2

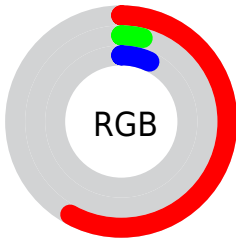
Format	Color
R_{YB}	148, 10, 18
Decimal	9701906
CIE Lab	30.78, 52.18, 36.35
CIE LCh	31, 63.594, 34.867
Yxy	6.5567, 0.6163, 0.3251
Android (android.graphics.Color)	4287891986 (0xFF940A12)
YUV	52.1740, -16.8478, 84.0394
Hunter-Lab	25.6061, 41.8425, 15.1857

Details

The XYZ color **12.4305, 6.5567, 1.1827** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.4505, 23.1384, 28.4712**, and the grayscale version is **3.2989, 3.4707, 3.7796**.

A 20% lighter version of the original color is **29.9639, 19.0816, 6.6613**, and **4.0245, 2.0747, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **12.2595, 6.3146, 0.8184**, and if you desaturate by 10%, it is **12.8165, 7.0876, 2.0551**.

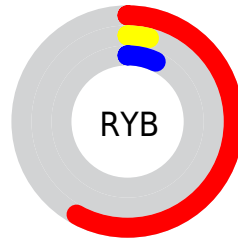
Distribution



Red (58%)

Green (4%)

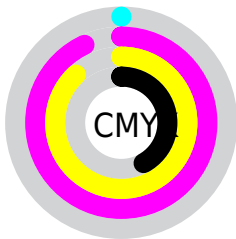
Blue (7%)



Red (58%)

Yellow (4%)

Blue (7%)

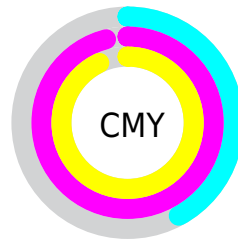


Cyan (0%)

Magenta (93%)

Yellow (88%)

Black (42%)



Cyan (42%)


Magenta (96%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4305, 6.5567, 1.1827 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 12.4305, 6.5567, 1.1827 by changing the saturation by 10% instead.


 12.4305, 6.5567,
1.1827


 12.4305, 6.5567,
1.1827


 200.9471,
163.9277, 108.0122


 7.1119, 3.1864,
0.0000


 29.8869, 19.0757,
6.6535

 3.5791, 1.2298,
0.0000

 42.7553, 28.9932,
12.0480


 1.4669, 0.0859,
0.0000

 58.8711, 41.8620,
19.7734

 0.3031, 0.0000,
0.0000


 78.5995, 58.0663,
30.2483


 0.0000, 0.0000,
0.0000


 102.3060, 77.9907,
43.8910


 130.3558,


102.0194, 61.1202


 163.1144,
130.5370, 82.3544

 12.4305, 6.5567,
1.1827


 12.4305, 6.5567,
1.1827


 12.2595, 6.3146,
0.8184

 12.8165, 7.0876,
2.0551

 13.4498, 7.9845,
3.4056

 14.3628, 9.2982,
5.2897

 15.5831, 11.0710,
7.7550

 17.1347, 13.3400,
10.8440

■ 19.0395, 16.1387,
14.5954

■ 21.3173, 19.4975,
19.0443

■ 23.9865, 23.4445,
24.2237

■ 27.0644, 28.0060,
30.1645

Harmonies

Analogous

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



14.1477, 6.5567, 5.8001



12.4305, 6.5567, 1.1827



9.0871, 6.5567, 0.0000

Triad

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



12.4305, 6.5567, 1.1827



2.2727, 6.5567, 2.1003



6.7457, 6.5567, 40.6509

Complementary

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



12.4305, 6.5567, 1.1827



15.4505, 23.1384, 28.4712

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.



4.0479, 6.5567, 35.9410



12.4305, 6.5567, 1.1827



2.0094, 6.5567, 8.6699

Square

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



12.4305, 6.5567, 1.1827



3.4322, 6.5567, 0.0618



2.5377, 6.5567, 21.7999



10.2475, 6.5567, 31.8945

Rectangle

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



12.4305, 6.5567, 1.1827



6.7746, 6.5567, 0.0000



2.5377, 6.5567, 21.7999



5.7191, 6.5567, 40.6291

Sweetspot

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



12.4306, 6.5571, 1.1828



35.3869, 31.1168, 29.2610



16.0683, 7.8275, 28.6808



7.7291, 6.5892, 5.9969



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.4306, 6.5571, 1.1828



21.6095, 11.1331, 1.3283



14.4460, 10.6748, 1.5869



5.8136, 5.8205, 6.1245



10.4753, 5.3952, 0.7179



0.1309, 0.0671, 0.0230

Inverse Universe

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



12.4306, 6.5571, 1.1828



21.6095, 11.1331, 1.3283



8.9777, 9.2167, 29.3226



5.8136, 5.8205, 6.1245



10.4753, 5.3952, 0.7179



0.1309, 0.0671, 0.0230

Previews

White Background



This preview shows how the XYZ color 12.4305, 6.5567, 1.1827 looks on a white background.

Color Contrast Check

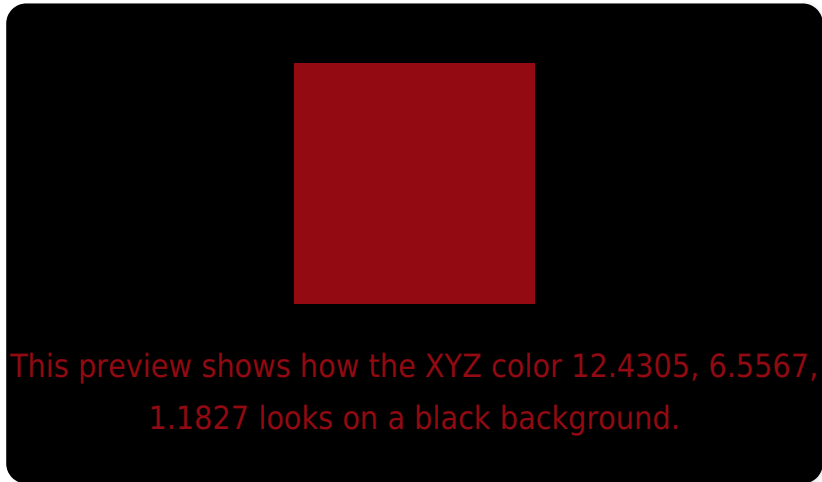
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4305, 6.5567, 1.1827

Background



This preview shows how black text looks on a background with the XYZ color 12.4305, 6.5567, 1.1827.



This preview shows how white text looks on a background with the XYZ color 12.4305, 6.5567,

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

12.4305, 6.5567, 1.1827

Protanopia

6.4196, 7.0159, 2.3122

Deuteranopia

6.9726, 6.9394, 0.9719



Tritanopia

12.3567, 6.5837, 0.6195

Trichromacy



Original Color

12.4305, 6.5567, 1.1827

Protanomaly

7.4337, 5.5680, 1.6602

Deuteranomaly

8.0761, 5.7894, 0.8928

Tritanomaly

12.3826, 6.5742, 0.8173

Monochromacy



Original Color

12.4305, 6.5567, 1.1827

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

4.9751, 3.5026, 2.4213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4305, 6.5567, 1.1827 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(148, 10, 18)` looks like.

```
.text, #text, p{  
    color:rgb(148, 10, 18)  
}
```

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(148, 10, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 10, 18) }
```

Border

The CSS property to change the border of an element to XYZ 12.4305, 6.5567, 1.1827 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(148, 10, 18) }
```


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

```
.border{ border-color:rgb(148, 10, 18) }
```

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

Here you see how a box with a 4 pixel rgb(148, 10, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 10, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 10, 18);  
box-shadow:4px 4px 4px 4px rgb(148, 10,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4305, 6.5567, 1.1827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 10, 18) }
```

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

```
.background{ background-color: rgb(148, 10,  
18) }
```

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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