

Converting Colors

XYZ(12.3564, 6.4825, 0.7373)

Have a look what the booklet for
XYZ(12.3564, 6.4825, 0.7373)
contains.

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Color

**XYZ(12.3161, 6.4588,
0.7411)**

Conversions

Conversions Part 1

Format	Color
Hex	940705
RGB	148, 7, 5
RGB Percent	58%, 3%, 2%
CMY	0.4196, 0.9725, 0.9804
CMYK	0.00, 0.95, 0.97, 0.42
HSL	1°, 93%, 30%
HSV	1°, 97%, 58%
XYZ	12.3161, 6.4588, 0.7411
YIQ	48.9310, 84.6780, 29.2700

Conversions

Conversions Part 2

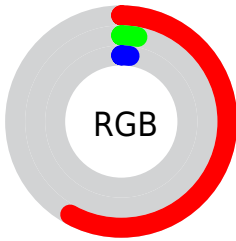
Format	Color
R_{YB}	148, 7, 5
Decimal	9701125
CIE Lab	30.54, 52.41, 42.06
CIE LCh	31, 67.195, 38.749
Yxy	6.4588, 0.6311, 0.3309
Android (android.graphics.Color)	4287891205 (0xFF940705)
YUV	48.9310, -21.6580, 86.8835
Hunter-Lab	25.4142, 42.0291, 16.0610

Details

The XYZ color **12.3161, 6.4588, 0.7411** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.6834, 22.7214, 31.5758**, and the grayscale version is **2.9296, 3.0821, 3.3564**.

A 20% lighter version of the original color is **29.6247, 18.8382, 5.2067**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.2353, 6.3413, 0.5791**, and if you desaturate by 10%, it is **12.6167, 6.9047, 1.3203**.

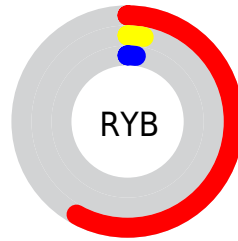
Distribution



Red (58%)

Green (3%)

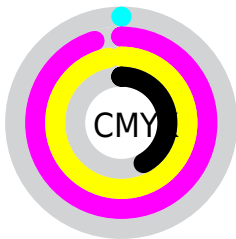
Blue (2%)



Red (58%)

Yellow (3%)

Blue (2%)

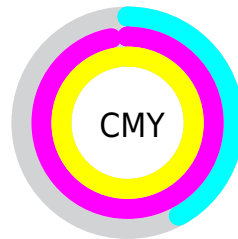


Cyan (0%)

Magenta (95%)

Yellow (97%)

Black (42%)



Cyan (42%)


Magenta (97%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3161, 6.4588, 0.7411 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 12.3161, 6.4588, 0.7411 by changing the saturation by 10% instead.

 12.3161, 6.4588,
0.7411


 12.3161, 6.4588,
0.7411


 200.2143,
163.0879, 98.3926


 7.0331, 3.1260,
0.0000


 29.6814, 18.8759,
5.2230

 3.5293, 1.1979,
0.0000

 42.4944, 28.7290,
9.8924


 1.4395, 0.0600,
0.0000

 58.5481, 41.5243,
16.7444

 0.2841, 0.0000,
0.0000


 78.2078, 57.6462,
26.1976


 0.0000, 0.0000,
0.0000


 101.8389, 77.4791,
38.6705


 129.8068,

101.4074, 54.5816


 162.4768,
129.8155, 74.3494


 12.3161, 6.4588,
0.7411


 12.3161, 6.4588,
0.7411


 12.2353, 6.3413,
0.5791

 12.6167, 6.9047,
1.3203

 13.1471, 7.6889,
2.3503

 13.9503, 8.8706,
3.9271

 15.0562, 10.4931,
6.1121

 16.4907, 12.5940,
8.9587

■ 18.2772, 15.2067,
12.5144

■ 20.4367, 18.3620,
16.8222

■ 22.9888, 22.0879,
21.9219

■ 25.9515, 26.4106,
27.8504

Harmonies

Analogous

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



14.4770, 6.4588, 4.6731



12.3161, 6.4588, 0.7411



8.6573, 6.4588, 0.0000

Triad

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



12.3161, 6.4588, 0.7411



1.9977, 6.4588, 2.3760



7.1258, 6.4588, 42.9323

Complementary

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



12.3161, 6.4588, 0.7411



15.6834, 22.7214, 31.5758

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.



4.1634, 6.4588, 39.6912



12.3161, 6.4588, 0.7411



1.8376, 6.4588, 10.0764

Square

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



12.3161, 6.4588, 0.7411



3.0308, 6.4588, 0.0177



2.4752, 6.4588, 24.8984



10.8660, 6.4588, 31.7680

Rectangle

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



12.3161, 6.4588, 0.7411



6.2746, 6.4588, 0.0000



2.4752, 6.4588, 24.8984



6.0052, 6.4588, 43.6084

Sweetspot

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



12.3162, 6.4592, 0.7412



34.8625, 30.6501, 27.2920



17.6122, 8.5425, 28.7373



7.6192, 6.5013, 5.5537



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.



12.3162, 6.4592, 0.7412



21.5781, 11.1675, 1.0182



14.8590, 11.5448, 1.5888



5.8070, 5.8277, 6.0593



10.4528, 5.4200, 0.4952



0.1292, 0.0690, 0.0065

Inverse Universe

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



15.6834, 22.7214, 31.5758



27.5318, 39.9731, 55.6991



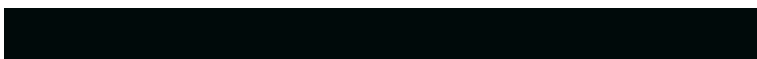
8.0268, 7.4084, 29.0236



5.9572, 6.5483, 7.4197



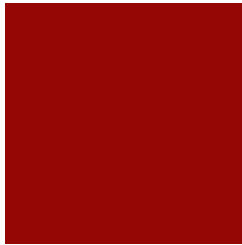
13.3353, 19.3653, 26.9661



0.1650, 0.2406, 0.3307

Previews

White Background



This preview shows how the XYZ color 12.3161, 6.4588, 0.7411 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 12.3161, 6.4588, 0.7411

Background



This preview shows how black text looks on a background with the XYZ color 12.3161, 6.4588, 0.7411.



This preview shows how white text looks on a background with the XYZ color 12.3161, 6.4588,

0.7411.

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

12.3161, 6.4588, 0.7411

Protanopia

6.2985, 6.9675, 1.6747

Deuteranopia

6.8693, 6.8862, 0.9671



Tritanopia

12.1897, 6.5171, 0.6155

Trichromacy



Original Color

12.3161, 6.4588, 0.7411

Protanomaly

7.2902, 5.4415, 1.1180

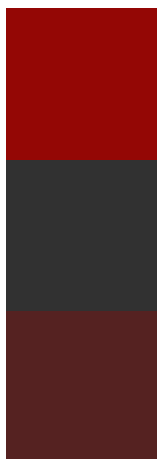
Deuteranomaly

8.0073, 5.6957, 0.7348

Tritanomaly

12.1633, 6.4468, 0.6607

Monochromacy



Original Color

12.3161, 6.4588, 0.7411

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.5929, 3.1852, 1.8116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3161, 6.4588, 0.7411 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, 7, 5)` looks like.

```
.text, #text, p{  
    color:rgb(148, 7, 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(148, 7, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 7, 5) }
```

Border

The CSS property to change the border of an element to XYZ 12.3161, 6.4588, 0.7411 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, 7, 5) }
```


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

```
.border{ border-color:rgb(148, 7, 5) }
```

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

Here you see how a box with a 4 pixel rgb(148, 7, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 7, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(148, 7, 5); box-shadow:4px  
4px 4px 4px rgb(148, 7, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3161, 6.4588, 0.7411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 7, 5) }
```

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

```
.background{ background-color: rgb(148, 7,  
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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