

Converting Colors

XYZ(12.0435, 7.1926, 1.1792)

Have a look what the booklet for
XYZ(12.0435, 7.1926, 1.1792)
contains.

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Color

**XYZ(12.0685, 7.1945,
1.1681)**

Conversions

Conversions Part 1

Format	Color
Hex	8F250E
RGB	143, 37, 14
RGB Percent	56%, 15%, 5%
CMY	0.4392, 0.8549, 0.9451
CMYK	0.00, 0.74, 0.90, 0.44
HSL	11°, 82%, 31%
HSV	11°, 90%, 56%
XYZ	12.0685, 7.1945, 1.1681
YIQ	66.0720, 70.5590, 15.3190

Conversions

Conversions Part 2

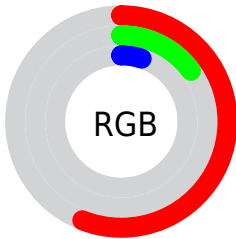
Format	Color
RYB	143, 42, 14
Decimal	9381134
CIELab	32.25, 43.35, 39.07
CIELCh	32, 58.363, 42.026
Yxy	7.1945, 0.5907, 0.3521
Android (android.graphics.Color)	4287571214 (0xFF8F250E)
YUV	66.0720, -25.6715, 67.4659
Hunter-Lab	26.8226, 33.3745, 16.1938

Details

The XYZ color **12.0685, 7.1945, 1.1681** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.8546, 15.5077, 28.3548**, and the grayscale version is **5.2211, 5.4931, 5.9819**.

A 20% lighter version of the original color is **29.3736, 20.4759, 6.6791**, and **3.6562, 1.8848, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **11.6860, 6.5566, 0.6496**, and if you desaturate by 10%, it is **12.6290, 8.1013, 2.0157**.

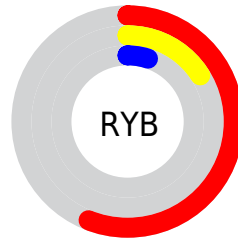
Distribution



Red (56%)

Green (15%)

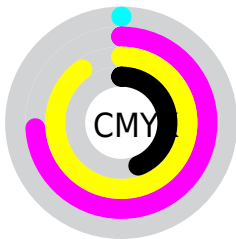
Blue (5%)



Red (56%)

Yellow (16%)

Blue (5%)

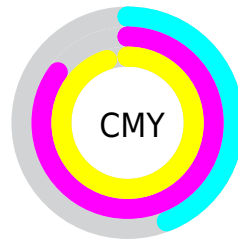


Cyan (0%)

Magenta (74%)

Yellow (90%)

Black (44%)



Cyan (44%)


Magenta (85%)

Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0685, 7.1945, 1.1681 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 12.0685, 7.1945, 1.1681 by changing the saturation by 10% instead.


 12.0685, 7.1945,
1.1681

 12.0685, 7.1945,
1.1681


 198.6189,
169.2702, 107.7151


 6.8629, 3.5840,
0.0000


 29.2356, 20.3634,
6.6072


 3.4221, 1.4437,
0.0000

 41.9277, 30.6907,
11.9793


 1.3807, 0.2486,
0.0000

 57.8461, 44.0257,
19.6777

 0.2424, 0.0000,
0.0000


 77.3561, 60.7528,
30.1212


 0.0000, 0.0000,
0.0000

 100.8230, 81.2564,
43.7281


 128.6122,


105.9209, 60.9170


 161.0891,
135.1307, 82.1065


 12.0685, 7.1945,
1.1681


 12.0685, 7.1945,
1.1681


 11.6860, 6.5566,
0.6496

 12.6290, 8.1013,
2.0157

 13.3989, 9.2962,
3.3355

 14.3976, 10.8020,
5.1842

 15.6422, 12.6388,
7.6103

 17.1479, 14.8248,
10.6568

■ 18.9288, 17.3770,
14.3627

■ 20.9978, 20.3113,
18.7636

■ 23.3673, 23.6426,
23.8927

■ 26.0485, 27.3849,
29.7810

Harmonies

Analogous

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



14.1562, 7.1945, 4.8757



12.0685, 7.1945, 1.1681



8.7730, 7.1945, 0.0057

Triad

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



12.0685, 7.1945, 1.1681



2.6936, 7.1945, 3.7676



8.1093, 7.1945, 37.5583

Complementary

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



12.0685, 7.1945, 1.1681



11.8546, 15.5077, 28.3548

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.



5.2110, 7.1945, 36.3134



12.0685, 7.1945, 1.1681



2.6114, 7.1945, 11.7960

Square

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



12.0685, 7.1945, 1.1681



3.6626, 7.1945, 0.8559



3.3910, 7.1945, 24.8693



11.4621, 7.1945, 27.5747

Rectangle

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



12.0685, 7.1945, 1.1681



6.6366, 7.1945, 0.0000



3.3910, 7.1945, 24.8693



7.0438, 7.1945, 38.5669

Sweetspot

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



12.0687, 7.1949, 1.1682



34.8253, 32.4383, 27.6771



14.9665, 7.5465, 18.9180



7.7436, 7.0935, 5.8351



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.



12.0687, 7.1949, 1.1682



20.8356, 11.5567, 1.1325



15.9640, 14.9856, 2.4667



5.4819, 5.5700, 5.6756



10.3446, 5.8209, 0.5783



0.1106, 0.0790, 0.0094

Inverse Universe

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



11.8546, 15.5077, 28.3548



20.2620, 26.3178, 50.5500



6.6022, 5.0029, 26.6039



5.4796, 5.9550, 6.8894



10.0732, 13.1325, 24.9810



0.1101, 0.1532, 0.2434

Previews

White Background



This preview shows how the XYZ color 12.0685, 7.1945, 1.1681 looks on a white background.

Color Contrast Check

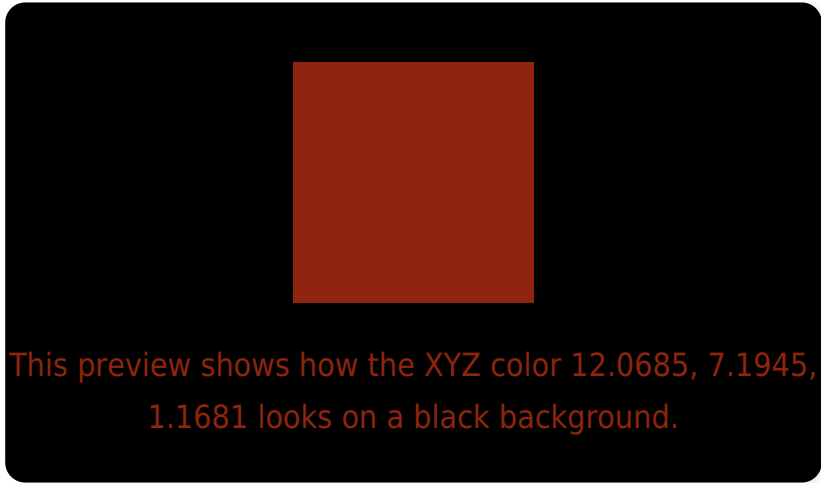
Large Text (above 18pt) WCAG AA ✓ Pass

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

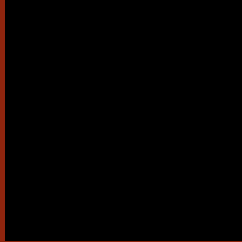
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0685, 7.1945, 1.1681

Background



This preview shows how black text looks on a background with the XYZ color 12.0685, 7.1945, 1.1681.



This preview shows how white text looks on a background with the XYZ color 12.0685, 7.1945,

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

12.0685, 7.1945, 1.1681

Protanopia

6.7492, 7.3999, 1.9368

Deuteranopia

7.4195, 7.3618, 1.0299



Tritanopia

12.2472, 7.1691, 2.4073

Trichromacy



Original Color

12.0685, 7.1945, 1.1681

Protanomaly

7.9123, 6.6216, 1.5229

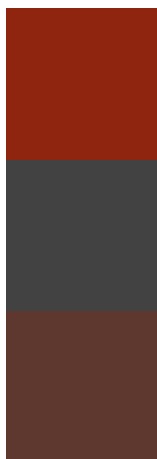
Deuteranomaly

8.5827, 6.8201, 1.0076

Tritanomaly

12.1682, 7.1852, 1.8442

Monochromacy



Original Color

12.0685, 7.1945, 1.1681

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

6.4954, 5.3173, 3.3733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0685, 7.1945, 1.1681 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(143, 37, 14)` looks like.

```
.text, #text, p{  
    color:rgb(143, 37, 14)  
}
```

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(143, 37, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 37, 14) }
```

Border

The CSS property to change the border of an element to XYZ 12.0685, 7.1945, 1.1681 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(143, 37, 14) }
```


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

```
.border{ border-color:rgb(143, 37, 14) }
```

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

Here you see how a box with a 4 pixel rgb(143, 37, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 37, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 37, 14);  
box-shadow:4px 4px 4px 4px rgb(143, 37,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0685, 7.1945, 1.1681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 37, 14) }
```

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

```
.background{ background-color: rgb(143, 37,  
14) }
```

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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