

Converting Colors

XYZ(11.7555, 6.7466, 0.6826)

Have a look what the booklet for
XYZ(11.7555, 6.7466, 0.6826)
contains.

XYZ(11.7920, 6.7682, 0.6849)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.7920, 6.7682,
0.6849)**

Conversions

Conversions Part 1

Format	Color
Hex	8F1E00
RGB	143, 30, 0
RGB Percent	56%, 12%, 0%
CMY	0.4392, 0.8823, 1.0000
CMYK	0.00, 0.79, 1.00, 0.44
HSL	13°, 100%, 28%
HSV	13°, 100%, 56%
XYZ	11.7920, 6.7682, 0.6849
YIQ	60.3670, 76.9780, 14.6260

Conversions

Conversions Part 2

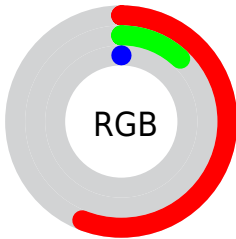
Format	Color
RYB	143, 38, 0
Decimal	9379328
CIELab	31.27, 45.61, 44.12
CIELCh	31, 63.460, 44.050
Yxy	6.7682, 0.6127, 0.3517
Android (android.graphics.Color)	4287569408 (0xFF8F1E00)
YUV	60.3670, -29.7609, 72.4691
Hunter-Lab	26.0158, 35.3800, 16.6501

Details

The XYZ color **11.7920, 6.7682, 0.6849** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.8621, 13.7916, 28.0760**, and the grayscale version is **4.3797, 4.6078, 5.0179**.

A 20% lighter version of the original color is **28.6057, 19.3914, 5.0315**, and **3.5673, 1.8390, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **11.7921, 6.7686, 0.6849**, and if you desaturate by 10%, it is **12.2126, 7.4794, 1.2263**.

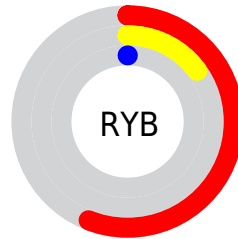
Distribution



Red (56%)

Green (12%)

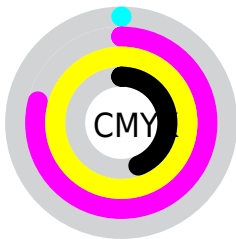
Blue (0%)



Red (56%)

Yellow (15%)

Blue (0%)

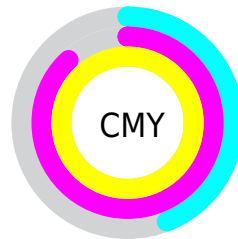


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (88%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 11.7920, 6.7682, 0.6849 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 11.7920, 6.7682, 0.6849 by changing the saturation by 10% instead.


 11.7920, 6.7682,
0.6849


 11.7920, 6.7682,
0.6849


 196.8215,
165.7235, 97.1706


 6.6734, 3.3176,
0.0000


 28.7359, 19.5054,
5.0516


 3.3032, 1.2997,
0.0000

 41.2918, 29.5607,
9.6295


 1.3161, 0.1410,
0.0000

 57.0576, 42.5863,
16.3704

 0.1952, 0.0000,
0.0000


 76.3986, 58.9667,
25.6930


 0.0000, 0.0000,
0.0000


 99.6801, 79.0862,
38.0158


 127.2676,


103.3292, 53.7573


 159.5262,
132.0802, 73.3360

 11.7920, 6.7682,
0.6849


 11.7920, 6.7682,
0.6849


 11.7921, 6.7686,
0.6849

 12.2126, 7.4794,
1.2263

 12.7998, 8.4369,
2.0906

 13.5900, 9.6696,
3.4262

 14.6012, 11.1971,
5.2890

 15.8494, 13.0375,
7.7271

■ 17.3487, 15.2070,
10.7830

■ 19.1124, 17.7210,
14.4954

■ 21.1528, 20.5936,
18.8996

■ 23.4811, 23.8383,
24.0285

Harmonies

Analogous

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



14.2026, 6.7682, 3.9306



11.7920, 6.7682, 0.6849



8.2300, 6.7682, 0.0000

Triad

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



11.7920, 6.7682, 0.6849



2.2117, 6.7682, 3.5791



8.0052, 6.7682, 39.8559

Complementary

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



11.7920, 6.7682, 0.6849



10.8621, 13.7916, 28.0760

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.



4.9186, 6.7682, 39.4024



11.7920, 6.7682, 0.6849



2.1865, 6.7682, 12.3880

Square

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



11.7920, 6.7682, 0.6849



3.0936, 6.7682, 0.5809



3.0079, 6.7682, 26.9859



11.5822, 6.7682, 27.9561

Rectangle

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



11.7920, 6.7682, 0.6849



6.0177, 6.7682, 0.0000



3.0079, 6.7682, 26.9859



6.8669, 6.7682, 41.3278

Sweetspot

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



11.7921, 6.7686, 0.6850



34.0125, 31.4309, 25.5007



14.3877, 7.0637, 16.6443



7.5156, 6.8040, 5.2456



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.



11.7921, 6.7686, 0.6850



21.0138, 11.9131, 1.1919



15.8944, 14.9732, 2.0524



5.4949, 5.5961, 5.6799



10.4397, 6.0111, 0.6100



0.1132, 0.0842, 0.0103

Inverse Universe

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



10.8621, 13.7916, 28.0760



19.3261, 24.4461, 50.2380



5.8182, 3.7037, 26.3947



5.4655, 5.9268, 6.8847



9.6195, 12.2250, 24.8297



0.1075, 0.1480, 0.2426

Previews

White Background



This preview shows how the XYZ color 11.7920, 6.7682, 0.6849 looks on a white background.

Color Contrast Check

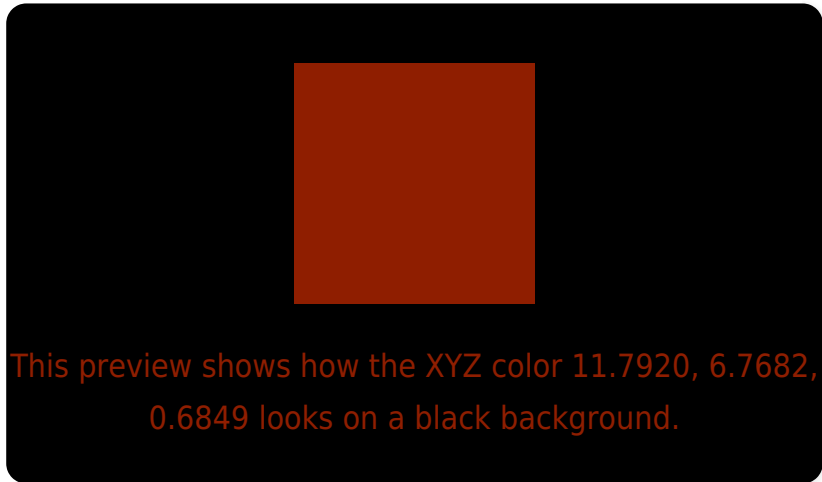
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7920, 6.7682, 0.6849

Background



This preview shows how black text looks on a background with the XYZ color 11.7920, 6.7682, 0.6849.



This preview shows how white text looks on a background with the XYZ color 11.7920, 6.7682,

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

11.7920, 6.7682, 0.6849

Protanopia

6.4319, 7.1406, 1.5696

Deuteranopia

7.0367, 7.0676, 0.9933



Tritanopia

11.9525, 6.7540, 1.7723

Trichromacy



Original Color

11.7920, 6.7682, 0.6849

Protanomaly

7.5682, 6.2163, 1.1176

Deuteranomaly

8.1452, 6.3710, 0.8004

Tritanomaly

11.8762, 6.7620, 1.2515

Monochromacy



Original Color

11.7920, 6.7682, 0.6849

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

5.6646, 4.5102, 2.4057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7920, 6.7682, 0.6849 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, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 30, 0)  
}
```

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, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 30, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.7920, 6.7682, 0.6849 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, 30, 0) }
```


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

```
.border{ border-color:rgb(143, 30, 0) }
```

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

Here you see how a box with a 4 pixel rgb(143, 30, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 30, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7920, 6.7682, 0.6849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 30, 0) }
```

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

```
.background{ background-color: rgb(143, 30,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor