

Converting Colors

XYZ(14.2004, 7.4396, 0.6875)

Have a look what the booklet for
XYZ(14.2004, 7.4396, 0.6875)
contains.

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Color

**XYZ(14.1765, 7.4211,
0.6852)**

Conversions

Conversions Part 1

Format	Color
Hex	9E0700
RGB	158, 7, 0
RGB Percent	62%, 3%, 0%
CMY	0.3804, 0.9724, 1.0000
CMYK	0.00, 0.96, 1.00, 0.38
HSL	3°, 100%, 31%
HSV	3°, 100%, 62%
XYZ	14.1765, 7.4211, 0.6852
YIQ	51.3510, 92.2430, 29.8350

Conversions

Conversions Part 2

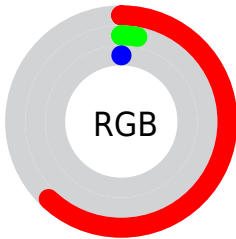
Format	Color
RYB	158, 7, 0
Decimal	10356480
CIELab	32.75, 55.05, 46.66
CIElCh	33, 72.162, 40.286
Yxy	7.4211, 0.6362, 0.3330
Android (android.graphics.Color)	4288546560 (0xFF9E0700)
YUV	51.3510, -25.3160, 93.5312
Hunter-Lab	27.2417, 45.2179, 17.5779

Details

The XYZ color **14.1765, 7.4211, 0.6852** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.2334, 24.5924, 36.1859**, and the grayscale version is **3.2104, 3.3776, 3.6782**.

A 20% lighter version of the original color is **32.9367, 20.7544, 5.0664**, and **4.8239, 2.4868, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **14.1767, 7.4216, 0.6853**, and if you desaturate by 10%, it is **14.4817, 7.8844, 1.2410**.

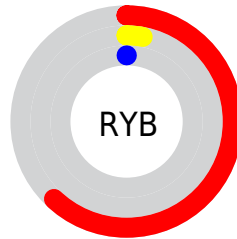
Distribution



Red (62%)

Green (3%)

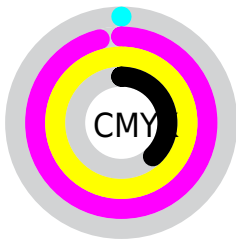
Blue (0%)



Red (62%)

Yellow (3%)

Blue (0%)

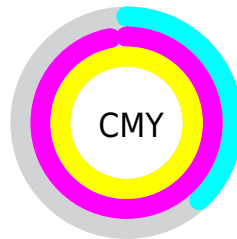


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (97%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 14.1765, 7.4211, 0.6852 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 14.1765, 7.4211, 0.6852 by changing the saturation by 10% instead.


 14.1765, 7.4211,
0.6852


 14.1765, 7.4211,
0.6852


 211.8148,
171.1183, 97.1771


 8.3260, 3.7268,
0.0000


 32.9855, 20.8155,
5.0525


 4.3578, 1.5220,
0.0000

 46.6748, 31.2844,
9.6309


 1.9065, 0.3041,
0.0000

 63.7078, 44.7802,
16.3724

 0.5806, 0.0000,
0.0000


 84.4497, 61.6875,
25.6957


 0.0000, 0.0000,
0.0000


 109.2661, 82.3905,
38.0193


 138.5221,

107.2737, 53.7617


 172.5832,
136.7215, 73.3414


 14.1765, 7.4211,
0.6852


 14.1765, 7.4211,
0.6852


 14.1767, 7.4216,
0.6853

 14.4817, 7.8844,
1.2410

 15.0242, 8.7081,
2.2271

 15.8639, 9.9621,
3.8186

 17.0352, 11.6941,
6.0913

 18.5678, 13.9459,
9.1102

■ 20.4882, 16.7543,
12.9328

■ 22.8202, 20.1531,
17.6107

■ 25.5858, 24.1732,
23.1914

■ 28.8056, 28.8435,
29.7188

Harmonies

Analogous

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



16.8926, 7.4211, 4.9047



14.1765, 7.4211, 0.6852



9.8000, 7.4211, 0.0000

Triad

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



14.1765, 7.4211, 0.6852



2.1857, 7.4211, 2.8965



8.4323, 7.4211, 50.7310

Complementary

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



14.1765, 7.4211, 0.6852



17.2334, 24.5924, 36.1859

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.



4.8751, 7.4211, 47.7767



14.1765, 7.4211, 0.6852



2.0471, 7.4211, 12.3954

Square

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



14.1765, 7.4211, 0.6852



3.3207, 7.4211, 0.0988



2.8353, 7.4211, 30.3918



12.8733, 7.4211, 36.6262

Rectangle

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



14.1765, 7.4211, 0.6852



7.0174, 7.4211, 0.0000



2.8353, 7.4211, 30.3918



7.0898, 7.4211, 51.8769

Sweetspot

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



14.1767, 7.4216, 0.6853



41.1723, 36.2060, 31.4390



19.8281, 9.5601, 30.8215



8.8862, 7.5858, 6.2922



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.1767, 7.4216, 0.6853



25.7063, 13.4001, 1.2316



17.2914, 13.6511, 1.7236



6.6556, 6.6911, 6.9264



11.3620, 5.9597, 0.5515



0.2093, 0.1189, 0.0119

Inverse Universe

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



17.2334, 24.5924, 36.1859



31.2561, 44.5802, 65.7009



8.6025, 7.3306, 33.3089



6.7966, 7.4589, 8.4882



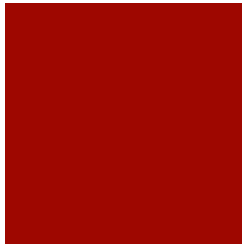
13.8102, 19.7119, 28.9841



0.2539, 0.3663, 0.5206

Previews

White Background



This preview shows how the XYZ color 14.1765, 7.4211, 0.6852 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

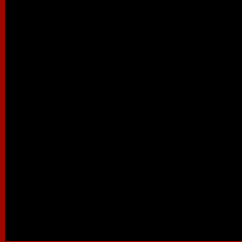
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.1765, 7.4211, 0.6852

Background



This preview shows how black text looks on a background with the XYZ color 14.1765, 7.4211, 0.6852.



This preview shows how white text looks on a background with the XYZ color 14.1765, 7.4211,

0.6852.

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

14.1765, 7.4211, 0.6852

Protanopia

7.2114, 7.9615, 1.8185

Deuteranopia

7.9513, 7.9356, 1.1126



Tritanopia

14.0617, 7.4822, 0.7031

Trichromacy



Original Color

14.1765, 7.4211, 0.6852

Protanomaly

8.4160, 6.2201, 1.1378

Deuteranomaly

9.2099, 6.5052, 0.7702

Tritanomaly

14.0243, 7.4074, 0.6906

Monochromacy



Original Color

14.1765, 7.4211, 0.6852

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.0782, 3.4800, 1.7706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1765, 7.4211, 0.6852 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(158, 7, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 7, 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(158, 7, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 7, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.1765, 7.4211, 0.6852 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(158, 7, 0) }
```


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

```
.border{ border-color:rgb(158, 7, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 7, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 7, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(158, 7, 0); box-shadow:4px  
4px 4px 4px rgb(158, 7, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1765, 7.4211, 0.6852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 7, 0) }
```

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

```
.background{ background-color: rgb(158, 7,  
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](#).

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