

Converting Colors

XYZ(15.5848, 4.9106, 0.0000)

Have a look what the booklet for
XYZ(15.5848, 4.9106, 0.0000)
contains.

XYZ(17.6792, 9.1140, 0.8274)	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(17.6792, 9.1140,
0.8274)**

Conversions

Conversions Part 1

Format	Color
Hex	AF0000
RGB	175, 0, 0
RGB Percent	69%, 0%, 0%
CMY	0.3137, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.31
HSL	0°, 100%, 34%
HSV	0°, 100%, 69%
XYZ	17.6792, 9.1140, 0.8274
YIQ	52.3250, 104.3000, 37.1000

Conversions

Conversions Part 2

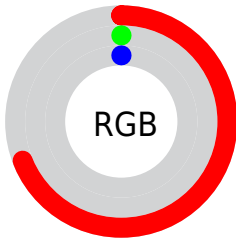
Format	Color
R_{YB}	175, 0, 0
Decimal	11468800
CIE Lab	36.20, 60.40, 50.58
CIE LCh	36, 78.787, 39.944
Yxy	9.1140, 0.6401, 0.3300
Android (android.graphics.Color)	4289658880 (0xFFAF0000)
YUV	52.3250, -25.7962, 107.5860
Hunter-Lab	30.1894, 51.6998, 19.5076

Details

The XYZ color **17.6792, 9.1140, 0.8274** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.0614, 33.7424, 45.8545**, and the grayscale version is **3.3260, 3.4992, 3.8106**.

A 20% lighter version of the original color is **38.8754, 24.0213, 5.4933**, and **6.6821, 3.4447, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **17.6794, 9.1146, 0.8275**, and if you desaturate by 10%, it is **17.9929, 9.5735, 1.4506**.

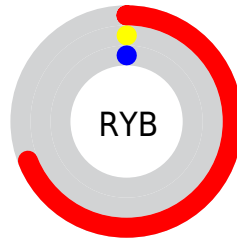
Distribution



Red (69%)

Green (0%)

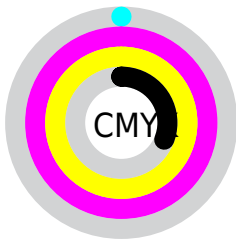
Blue (0%)



Red (69%)

Yellow (0%)

Blue (0%)

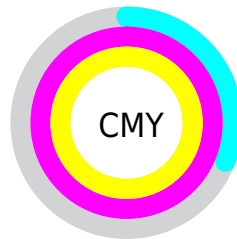


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (100%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6792, 9.1140, 0.8274 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 17.6792, 9.1140, 0.8274 by changing the saturation by 10% instead.


 17.6792, 9.1140,
0.8274


 17.6792, 9.1140,
0.8274


 232.1373,
184.2261, 100.2891


 10.8182, 4.8156,
0.0000


 39.0243, 24.1151,
5.4937


 6.0111, 2.1395,
0.0000


 54.2391, 35.5866,
10.3055


 2.8926, 0.6867,
0.0000

 72.9693, 50.2180,
17.3298

 1.0972, 0.0000,
0.0000

 95.5801, 68.3936,
26.9853

 0.0228, 0.0000,
0.0000

 122.4370, 90.4978,
39.6904

 0.0000, 0.0000,
0.0000


 153.9052,


116.9150, 55.8637


 190.3502,
148.0296, 75.9237


 17.6792, 9.1140,
0.8274


 17.6792, 9.1140,
0.8274


 17.6794, 9.1146,
0.8275

 17.9929, 9.5735,
1.4506

 18.5842, 10.4388,
2.6256

 19.5617, 11.8693,
4.5683

 20.9760, 13.9389,
7.3794

 22.8700, 16.7106,
11.1446

■ 25.2818, 20.2397,
15.9390

■ 28.2453, 24.5762,
21.8304

■ 31.7918, 29.7655,
28.8809

■ 35.9500, 35.8501,
37.1478

Harmonies

Analogous

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



21.0718, 9.1140, 6.0694



17.6792, 9.1140, 0.8274



12.1728, 9.1140, 0.0000

Triad

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



17.6792, 9.1140, 0.8274



2.6181, 9.1140, 3.4010



10.3309, 9.1140, 64.0846

Complementary

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



17.6792, 9.1140, 0.8274



23.0614, 33.7424, 45.8545

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.



5.9017, 9.1140, 60.0497



17.6792, 9.1140, 0.8274



2.4356, 9.1140, 15.1384

Square

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



17.6792, 9.1140, 0.8274



4.0353, 9.1140, 0.1409



3.3915, 9.1140, 37.8202



15.9166, 9.1140, 46.3113

Rectangle

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



17.6792, 9.1140, 0.8274



8.6715, 9.1140, 0.0000



3.3915, 9.1140, 37.8202



8.6537, 9.1140, 65.4519

Sweetspot

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



17.6794, 9.1146, 0.8275



50.2861, 43.5754, 38.5000



25.4168, 12.2090, 41.5740



10.6667, 8.9389, 7.5433



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.6794, 9.1146, 0.8275



31.6632, 16.3237, 1.4819



21.1279, 16.0115, 1.9770



8.0054, 8.0156, 8.3386



12.6609, 6.5274, 0.5926



0.3523, 0.1817, 0.0165

Inverse Universe

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



23.0614, 33.7424, 45.8545



41.3024, 60.4316, 82.1245



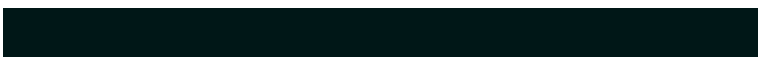
11.1866, 9.9928, 41.8962



8.2362, 9.0719, 10.2696



16.5153, 24.1644, 32.8383



0.4595, 0.6723, 0.9135

Previews

White Background



This preview shows how the XYZ color 17.6792, 9.1140, 0.8274 looks on a white background.

Color Contrast Check

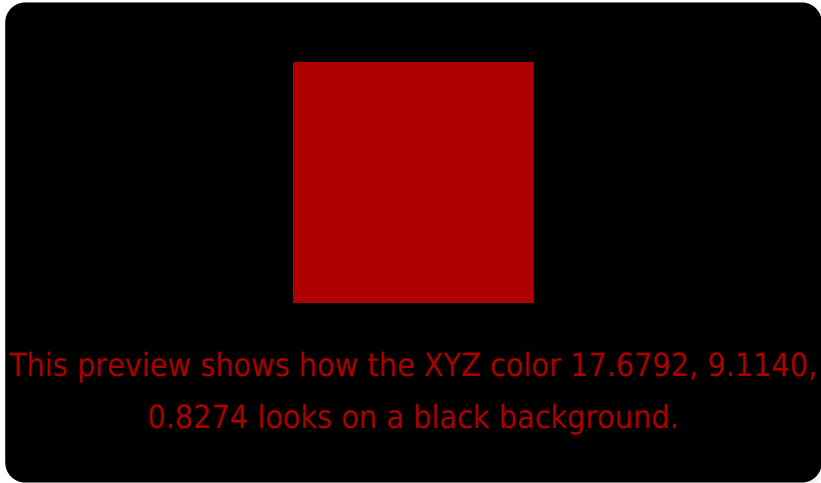
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6792, 9.1140, 0.8274

Background



This preview shows how black text looks on a background with the XYZ color 17.6792, 9.1140, 0.8274.



This preview shows how white text looks on a background with the XYZ color 17.6792, 9.1140,

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

17.6792, 9.1140, 0.8274

Protanopia

8.7900, 9.6940, 2.2185

Deuteranopia

9.7259, 9.7202, 1.3636



Tritanopia

17.6408, 9.3693, 0.8787

Trichromacy



Original Color

17.6792, 9.1140, 0.8274

Protanomaly

10.2528, 7.3749, 1.3350

Deuteranomaly

11.1046, 7.6145, 0.8845

Tritanomaly

17.5641, 9.2158, 0.8531

Monochromacy



Original Color

17.6792, 9.1140, 0.8274

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.7481, 3.7389, 1.8576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6792, 9.1140, 0.8274 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(175, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 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(175, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.6792, 9.1140, 0.8274 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(175, 0, 0) }
```


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

```
.border{ border-color:rgb(175, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(175, 0, 0); box-shadow:4px  
4px 4px 4px rgb(175, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6792, 9.1140, 0.8274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 0) }
```

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

```
.background{ background-color: rgb(175, 0,  
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