

# Converting Colors

XYZ(17.8087, 10.7347, 1.1334)

Have a look what the booklet for  
XYZ(17.8087, 10.7347, 1.1334)  
contains.

<b>XYZ(17.8515, 10.7718, 1.1383)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(17.8515, 10.7718,  
1.1383)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB3000
RGB	171, 48, 0
RGB Percent	67%, 19%, 0%
CMY	0.3294, 0.8117, 1.0000
CMYK	0.00, 0.72, 1.00, 0.33
HSL	17°, 100%, 34%
HSV	17°, 100%, 67%
XYZ	17.8515, 10.7718, 1.1383
YIQ	79.3050, 88.7160, 11.1480

# Conversions

## Conversions Part 2

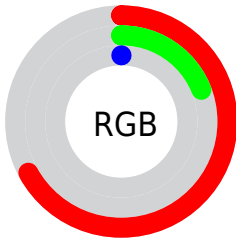
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 67, 0
Decimal	11218944
CIE Lab	39.19, 48.44, 51.43
CIE LCh	39, 70.648, 46.716
Yxy	10.7718, 0.5998, 0.3619
Android (android.graphics.Color)	4289409024 (0xFFAB3000)
YUV	79.3050, -39.0974, 80.4165
Hunter-Lab	32.8204, 39.6530, 20.9180

# Details

The XYZ color **17.8515, 10.7718, 1.1383** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.4327, 17.1044, 41.0685**, and the grayscale version is **7.5521, 7.9454, 8.6526**.

A 20% lighter version of the original color is **39.3257, 27.2522, 6.5557**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **17.8517, 10.7723, 1.1384**, and if you desaturate by 10%, it is **18.5284, 11.9627, 1.8670**.

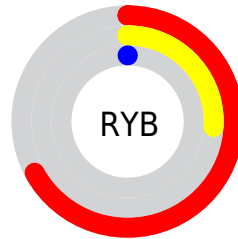
# Distribution



Red (67%)

Green (19%)

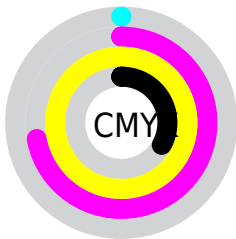
Blue (0%)



Red (67%)

Yellow (26%)

Blue (0%)

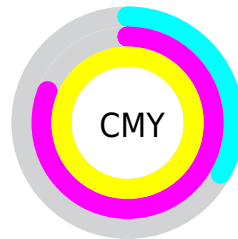


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (81%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8515, 10.7718, 1.1383 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 17.8515, 10.7718, 1.1383 by changing the saturation by 10% instead.





 17.8515, 10.7718,  
1.1383


 17.8515, 10.7718,  
1.1383


 233.0945,  
196.0952, 107.1028


 10.9425, 5.9136,  
0.0000


 39.3162, 27.2374,  
6.5122


 6.0952, 2.7926,  
0.0000


 54.6026, 39.6136,  
11.8379


 2.9442, 1.0244,  
0.0000

 73.4121, 55.2646,  
19.4809

 1.1243, 0.0000,  
0.0000

 96.1101, 74.5748,  
29.8596


 0.0453, 0.0000,  
0.0000


 123.0620, 97.9285,  
43.3926


 0.0000, 0.0000,  
0.0000


 154.6332,


125.7102, 60.4984


 191.1889,  
158.3043, 81.5957


 17.8515, 10.7718,  
1.1383


 17.8515, 10.7718,  
1.1383


 17.8517, 10.7723,  
1.1384

 18.5284, 11.9627,  
1.8670

 19.4429, 13.4881,  
3.1074

 20.6398, 15.3818,  
5.0481

 22.1438, 17.6675,  
7.7764

 23.9767, 20.3670,  
11.3667

■ 26.1581, 23.5001,  
15.8847

■ 28.7058, 27.0854,  
21.3895

■ 31.6366, 31.1403,  
27.9356

■ 34.9658, 35.6814,  
35.5731

# Harmonies

## Analogous

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



21.6941, 10.7718, 5.7053



17.8515, 10.7718, 1.1383



12.4803, 10.7718, 0.0000

# Triad

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



17.8515, 10.7718, 1.1383



3.6796, 10.7718, 6.6921



13.0923, 10.7718, 58.7521

# Complementary

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



17.8515, 10.7718, 1.1383



14.4327, 17.1044, 41.0685

# 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.



8.2822, 10.7718, 59.9457



17.8515, 10.7718, 1.1383



3.7516, 10.7718, 20.9609

# Square

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



17.8515, 10.7718, 1.1383



4.9304, 10.7718, 1.3883



5.1715, 10.7718, 42.8734



18.4170, 10.7718, 40.3013



# Rectangle

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



17.8515, 10.7718, 1.1383



9.2082, 10.7718, 0.0000



5.1715, 10.7718, 42.8734



11.3425, 10.7718, 61.5009

# Sweetspot

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



17.8517, 10.7724, 1.1385



51.1517, 48.1468, 37.7377



20.5217, 10.1488, 20.4136



10.9756, 10.1324, 7.4754



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



17.8517, 10.7724, 1.1385



31.8163, 18.9820, 1.9870



24.9241, 24.9173, 3.4959



8.1815, 8.3678, 8.3973



13.4971, 8.1997, 0.8713



0.4221, 0.3214, 0.0398



# Inverse Universe

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



14.4327, 17.1044, 41.0685



25.6606, 30.2576, 73.4897



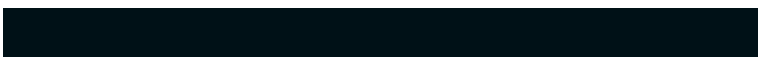
8.1061, 4.4512, 38.9596



8.0434, 8.6862, 10.2054



10.9263, 12.9864, 30.9753



0.3470, 0.4474, 0.8761



# Previews

## White Background



This preview shows how the XYZ color 17.8515, 10.7718, 1.1383 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 × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

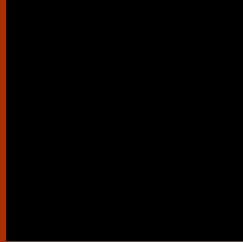
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 17.8515, 10.7718, 1.1383**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.8515, 10.7718, 1.1383.



This preview shows how white text looks on a background with the XYZ color 17.8515, 10.7718,



# 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

17.8515, 10.7718, 1.1383

### Protanopia

9.9459, 11.0557, 2.2258

### Deuteranopia

11.0436, 10.9963, 1.5404



## Tritanopia

18.4448, 10.8447, 3.7059

# Trichromacy



## Original Color

17.8515, 10.7718, 1.1383

## Protanomaly

11.7735, 10.0014, 1.6578

## Deuteranomaly

12.7653, 10.2159, 1.2991

## Tritanomaly

18.2120, 10.8134, 2.2897

# Monochromacy



## Original Color

17.8515, 10.7718, 1.1383

## Achromatopsia

7.4317, 7.8187, 8.5146

## Achromatomaly

9.3249, 7.8093, 4.0335

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.8515, 10.7718, 1.1383 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(171, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 48, 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(171, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 48, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 17.8515, 10.7718, 1.1383 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(171, 48, 0) }
```



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

```
.border{ border-color:rgb(171, 48, 0) }
```

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

Here you see how a box with a 4 pixel rgb(171, 48, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 48, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 17.8515, 10.7718, 1.1383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 48, 0) }
```

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

```
.background{ background-color: rgb(171, 48,  
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