

Converting Colors

XYZ(15.1565, 5.8388, 0.2678)

Have a look what the booklet for
XYZ(15.1565, 5.8388, 0.2678)
contains.

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Color

**XYZ(16.5776, 8.5460,
0.7758)**

Conversions

Conversions Part 1

Format	Color
Hex	AA0000
RGB	170, 0, 0
RGB Percent	67%, 0%, 0%
CMY	0.3333, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.33
HSL	0°, 100%, 33%
HSV	0°, 100%, 67%
XYZ	16.5776, 8.5460, 0.7758
YIQ	50.8300, 101.3200, 36.0400

Conversions

Conversions Part 2

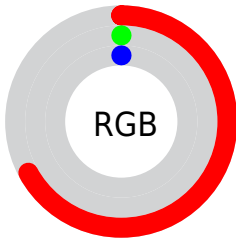
Format	Color
RYB	170, 0, 0
Decimal	11141120
CIELab	35.10, 59.12, 49.41
CIElCh	35, 77.052, 39.887
Yxy	8.5460, 0.6401, 0.3300
Android (android.graphics.Color)	4289331200 (0xFFAA0000)
YUV	50.8300, -25.0592, 104.5121
Hunter-Lab	29.2335, 50.0641, 18.8900

Details

The XYZ color **16.5776, 8.5460, 0.7758** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **21.6258, 31.6425, 42.9979**, and the grayscale version is **3.1483, 3.3122, 3.6070**.

A 20% lighter version of the original color is **37.1191, 23.0136, 5.2820**, and **6.0634, 3.1258, 0.2838** is the 20% darker color. If you saturate the color by 10%, you get **16.5778, 8.5465, 0.7759**, and if you desaturate by 10%, it is **16.8795, 8.9881, 1.3755**.

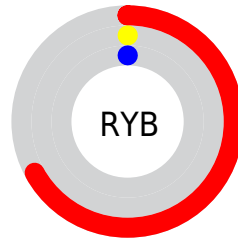
Distribution



Red (67%)

Green (0%)

Blue (0%)



Red (67%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (100%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5776, 8.5460, 0.7758 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 16.5776, 8.5460, 0.7758 by changing the saturation by 10% instead.


 16.5776, 8.5460,
0.7758

 16.5776, 8.5460,
0.7758


 225.9303,
179.9540, 99.1523


 10.0272, 4.4463,
0.0000


 37.1475, 23.0221,
5.3308


 5.4794, 1.9262,
0.0000

 51.8977, 34.1672,
10.0572


 2.5688, 0.5641,
0.0000

 70.1119, 48.4296,
16.9782

 0.9301, 0.0000,
0.0000


 92.1555, 66.1936,
26.5125


 0.0000, 0.0000,
0.0000

 118.3937, 87.8436,
39.0784


 149.1921,


113.7641, 55.0947


 184.9158,
144.3395, 74.9798


 16.5776, 8.5460,
0.7758


 16.5776, 8.5460,
0.7758

 16.5778, 8.5465,
0.7759

 16.8795, 8.9881,
1.3755

 17.4388, 9.8067,
2.4871

 18.3596, 11.1542,
4.3173

 19.6889, 13.0994,
6.9596

 21.4667, 15.7008,
10.4935

■ 23.7281, 19.0100,
14.9891

■ 26.5050, 23.0733,
20.5094

■ 29.8263, 27.9333,
27.1122

■ 33.7189, 33.6292,
34.8509

Harmonies

Analogous

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



19.7489, 8.5460, 5.7107



16.5776, 8.5460, 0.7758



11.4212, 8.5460, 0.0000

Triad

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



16.5776, 8.5460, 0.7758



2.4592, 8.5460, 3.1812



9.6763, 8.5460, 60.0377

Complementary

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



16.5776, 8.5460, 0.7758



21.6258, 31.6425, 42.9979

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.



5.5296, 8.5460, 56.2182



16.5776, 8.5460, 0.7758



2.2861, 8.5460, 14.1589

Square

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



16.5776, 8.5460, 0.7758



3.7904, 8.5460, 0.0969



3.1800, 8.5460, 35.3871



14.9083, 8.5460, 43.4261

Rectangle

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



16.5776, 8.5460, 0.7758



8.1395, 8.5460, 0.0000



3.1800, 8.5460, 35.3871



8.1060, 8.5460, 61.3032

Sweetspot

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



16.5778, 8.5466, 0.7759



47.7916, 41.4266, 36.6176



23.8332, 11.4483, 38.9837



10.1764, 8.5339, 7.2090



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.



16.5778, 8.5466, 0.7759



30.0786, 15.5066, 1.4078



19.8260, 15.0430, 1.8587



7.5312, 7.5425, 7.8482



12.1949, 6.2870, 0.5708



0.2967, 0.1530, 0.0139

Inverse Universe

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



21.6258, 31.6425, 42.9979



39.2378, 57.4120, 78.0155



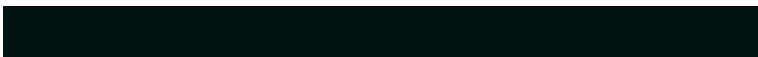
10.5042, 9.3993, 39.2907



7.7475, 8.5319, 9.6568



15.9083, 23.2768, 31.6299



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 16.5776, 8.5460, 0.7758 looks on a white background.

Color Contrast Check

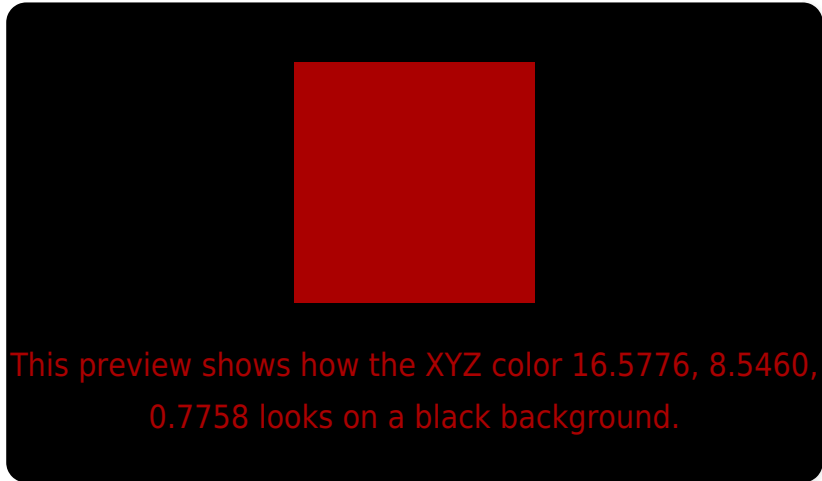
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5776, 8.5460, 0.7758

Background



This preview shows how black text looks on a background with the XYZ color 16.5776, 8.5460, 0.7758.



This preview shows how white text looks on a background with the XYZ color 16.5776, 8.5460,

0.7758.

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

16.5776, 8.5460, 0.7758

Protanopia

8.2965, 9.2003, 2.0976

Tritanopia

16.5475, 8.8056, 0.8275

Trichromacy



Original Color

16.5776, 8.5460, 0.7758

Protanomaly

9.6138, 6.9750, 1.2551

Tritanomaly

16.4707, 8.6521, 0.8019

Monochromacy



Original Color

16.5776, 8.5460, 0.7758

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.3933, 3.5170, 1.7611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5776, 8.5460, 0.7758 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(170, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.5776, 8.5460, 0.7758 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(170, 0, 0) }
```

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

```
.border{ border-color:rgb(170, 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(170, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(170, 0, 0); box-shadow:4px  
4px 4px 4px rgb(170, 0, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 16.5776, 8.5460, 0.7758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 0) }
```

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

```
.background{ background-color: rgb(170, 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](#).

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