

Converting Colors

XYZ(16.8628, 8.6814, 1.3157)

Have a look what the booklet for
XYZ(16.8628, 8.6814, 1.3157)
contains.

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Color

**XYZ(16.8958, 8.6984,
1.3188)**

Conversions

Conversions Part 1

Format	Color
Hex	AB0011
RGB	171, 0, 17
RGB Percent	67%, 0%, 7%
CMY	0.3294, 0.9999, 0.9333
CMYK	0.00, 1.00, 0.90, 0.33
HSL	354°, 100%, 34%
HSV	354°, 100%, 67%
XYZ	16.8958, 8.6984, 1.3188
YIQ	53.0670, 96.4590, 41.5390

Conversions

Conversions Part 2

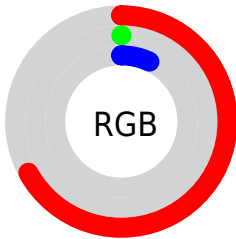
Format	Color
RYB	171, 0, 17
Decimal	11206673
CIELab	35.40, 59.60, 42.68
CIELCh	35, 73.307, 35.611
Yxy	8.6984, 0.6278, 0.3232
Android (android.graphics.Color)	4289396753 (0xFFAB0011)
YUV	53.0670, -17.7810, 103.4272
Hunter-Lab	29.4931, 50.6452, 17.9939

Details

The XYZ color **16.8958, 8.6984, 1.3188** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.3981, 31.4598, 35.5806**, and the grayscale version is **3.4065, 3.5840, 3.9029**.

A 20% lighter version of the original color is **37.7843, 23.3177, 7.0667**, and **6.3067, 3.2512, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **16.8955, 8.6983, 1.3178**, and if you desaturate by 10%, it is **17.2632, 9.1692, 2.2554**.

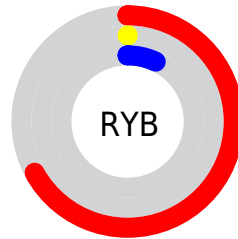
Distribution



Red (67%)

Green (0%)

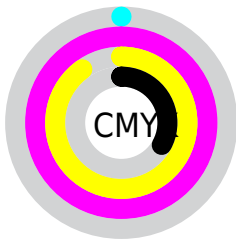
Blue (7%)



Red (67%)

Yellow (0%)

Blue (7%)

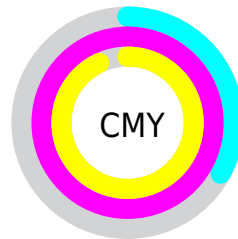


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (33%)



Cyan (33%)


Magenta (100%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8958, 8.6984, 1.3188 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 16.8958, 8.6984, 1.3188 by changing the saturation by 10% instead.


 16.8958, 8.6984,
1.3188


 16.8958, 8.6984,
1.3188


 227.7392,
181.1118, 110.6946


 10.2551, 4.5450,
0.0771


 37.6916, 23.3166,
7.0771


 5.6320, 1.9829,
0.0000

 52.5773, 34.5503,
12.6751


 2.6611, 0.5975,
0.0000

 70.9421, 48.9127,
20.6437

 0.9772, 0.0000,
0.0000

 93.1513, 66.7885,
31.4014


 0.0000, 0.0000,
0.0000

 119.5702, 88.5618,
45.3668


 150.5643,

114.6172, 62.9585


 186.4988,
145.3391, 84.5949


 16.8958, 8.6984,
1.3188


 16.8958, 8.6984,
1.3188


 16.8955, 8.6983,
1.3178

 17.2632, 9.1692,
2.2554

 17.9026, 10.0268,
3.7672

 18.8957, 11.4155,
5.9407

 20.2847, 13.4029,
8.8409

 22.1057, 16.0467,
12.5250

■ 24.3905, 19.3976,
17.0441

■ 27.1683, 23.5014,
22.4453

■ 30.4655, 28.4002,
28.7722

■ 34.3070, 34.1327,
36.0652

Harmonies

Analogous

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



19.4204, 8.6984, 7.3538



16.8958, 8.6984, 1.3188



12.1407, 8.6984, 0.0000

Triad

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



16.8958, 8.6984, 1.3188



2.8192, 8.6984, 2.7032



9.0963, 8.6984, 57.4062

Complementary

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



16.8958, 8.6984, 1.3188



20.3981, 31.4598, 35.5806

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.



5.3206, 8.6984, 51.0574



16.8958, 8.6984, 1.3188



2.4943, 8.6984, 11.9601

Square

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



16.8958, 8.6984, 1.3188



4.3503, 8.6984, 0.1001



3.2293, 8.6984, 30.8083



14.0263, 8.6984, 44.3127

Rectangle

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



16.8958, 8.6984, 1.3188



8.9117, 8.6984, 0.0000



3.2293, 8.6984, 30.8083



7.6553, 8.6984, 57.5516

Sweetspot

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



16.8960, 8.6990, 1.3189



48.3617, 41.6521, 39.6276



20.6588, 9.8013, 39.3309



10.3107, 8.5871, 7.9184



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.



16.8960, 8.6990, 1.3189



30.2233, 15.5639, 2.1715



18.8871, 12.8428, 1.4842



8.0364, 8.0278, 8.5023



12.7464, 6.5611, 1.0442



0.3647, 0.1866, 0.0822

Inverse Universe

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



16.8960, 8.6990, 1.3189



30.2233, 15.5639, 2.1715



12.1626, 12.5637, 40.3119



8.0364, 8.0278, 8.5023



12.7464, 6.5611, 1.0442



0.3647, 0.1866, 0.0822

Previews

White Background



This preview shows how the XYZ color 16.8958, 8.6984, 1.3188 looks on a white background.

Color Contrast Check

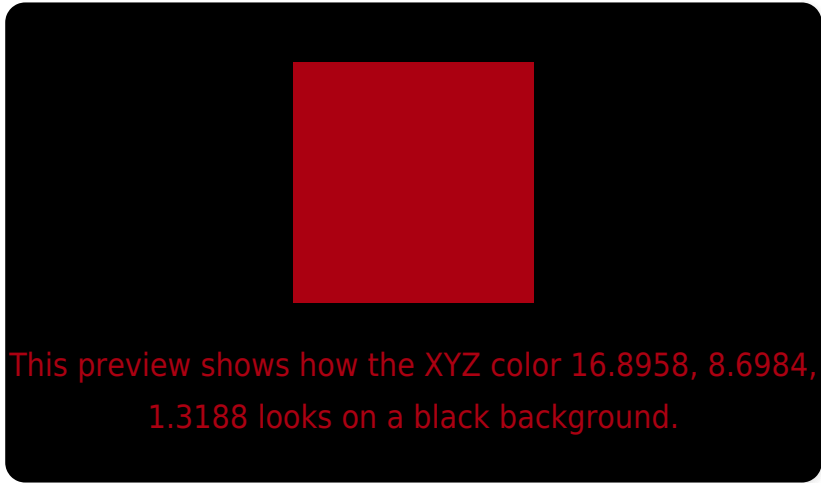
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8958, 8.6984, 1.3188

Background



This preview shows how black text looks on a background with the XYZ color 16.8958, 8.6984, 1.3188.



This preview shows how white text looks on a background with the XYZ color 16.8958, 8.6984,

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

16.8958, 8.6984, 1.3188

Protanopia

8.4124, 9.2467, 2.7079

Deuteranopia

9.3240, 9.2858, 1.3009



Tritanopia

16.7629, 8.9166, 0.8376

Trichromacy



Original Color

16.8958, 8.6984, 1.3188

Protanomaly

9.7324, 7.0225, 1.8794

Deuteranomaly

10.7766, 7.3747, 1.0278

Tritanomaly

16.7190, 8.7763, 0.9851

Monochromacy



Original Color

16.8958, 8.6984, 1.3188

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.7789, 3.7841, 2.4333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8958, 8.6984, 1.3188 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, 0, 17)` looks like.

```
.text, #text, p{  
  color:rgb(171, 0, 17)  
}
```

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, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 17) }
```

Border

The CSS property to change the border of an element to XYZ 16.8958, 8.6984, 1.3188 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, 0, 17) }
```


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

```
.border{ border-color:rgb(171, 0, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(171, 0, 17)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8958, 8.6984, 1.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 17) }
```

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

```
.background{ background-color: rgb(171, 0,  
17) }
```

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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