

Converting Colors

XYZ(17.8032, 8.9323, 11.9470)

Have a look what the booklet for
XYZ(17.8032, 8.9323, 11.9470)
contains.

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Color

**XYZ(17.8372, 8.9515,
11.8540)**

Conversions

Conversions Part 1

Format	Color
Hex	A60060
RGB	166, 0, 96
RGB Percent	65%, 0%, 38%
CMY	0.3490, 0.9999, 0.6235
CMYK	0.00, 1.00, 0.42, 0.35
HSL	325°, 100%, 33%
HSV	325°, 100%, 65%
XYZ	17.8372, 8.9515, 11.8540
YIQ	60.5780, 68.1200, 65.0480

Conversions

Conversions Part 2

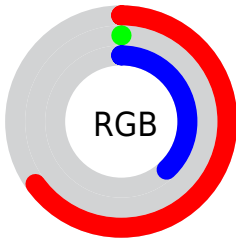
Format	Color
RYB	166, 0, 96
Decimal	10879072
CIELab	35.89, 62.60, -6.03
CIELCh	36, 62.887, 354.496
Yxy	8.9515, 0.4616, 0.2316
Android (android.graphics.Color)	4289069152 (0xFFA60060)
YUV	60.5780, 17.4630, 92.4551
Hunter-Lab	29.9191, 54.0601, -2.5475

Details

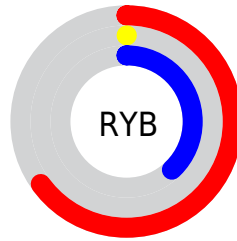
The XYZ color **17.8372, 8.9515, 11.8540** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.7427, 27.7151, 10.3707**, and the grayscale version is **4.3472, 4.5736, 4.9806**.

A 20% lighter version of the original color is **39.3483, 23.8360, 29.7211**, and **6.7601, 3.4184, 3.3211** is the 20% darker color. If you saturate the color by 10%, you get **17.8368, 8.9513, 11.8517**, and if you desaturate by 10%, it is **18.3688, 9.4756, 13.6931**.

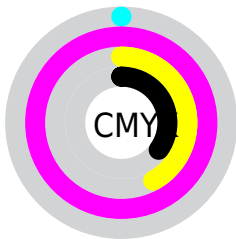
Distribution



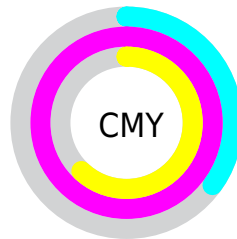
- Red (65%)
- Green (0%)
- Blue (38%)



- Red (65%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8372, 8.9515, 11.8540 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 17.8372, 8.9515, 11.8540 by changing the saturation by 10% instead.


 17.8372, 8.9515,
11.8540


 17.8372, 8.9515,
11.8540


233.0152,
183.0157, 214.3798

 10.9321, 4.7096,
6.5230


 39.2920, 23.8037,
29.8893

 6.0882, 2.0779,
3.0917


 54.5724, 35.1828,
43.4307


 2.9399, 0.6521,
1.1417

 73.3754, 49.7097,
60.5460

 1.1221, 0.0000,
0.0000

 96.0662, 67.7689,
81.6538

 0.0435, 0.0000,
0.0000

 123.0102, 89.7446,
107.1725

 0.0000, 0.0000,
0.0000

 154.5728,

116.0214, 137.5207

191.1194,
146.9836, 173.1170

■ 17.8372, 8.9515,
11.8540

■ 17.8372, 8.9515,
11.8540

■ 17.8368, 8.9513,
11.8517

■ 18.3688, 9.4756,
13.6931

■ 19.0905, 10.3330,
15.7407

■ 20.0700, 11.6575,
18.0229

■ 21.3372, 13.5084,
20.5529

■ 22.9180, 15.9359,
23.3425

■ 24.8348, 18.9843,
26.4024

■ 27.1084, 22.6938,
29.7424

■ 29.7573, 27.1009,
33.3717

■ 32.7992, 32.2395,
37.2990

Harmonies

Analogous

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



15.7895, 8.9515, 27.2187



17.8372, 8.9515, 11.8540



16.8520, 8.9515, 3.4672

Triad

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



17.8372, 8.9515, 11.8540



5.8660, 8.9515, 0.3254



4.9838, 8.9515, 37.8783

Complementary

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



17.8372, 8.9515, 11.8540



14.7427, 27.7151, 10.3707

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.



3.5060, 8.9515, 20.9933



17.8372, 8.9515, 11.8540



3.9011, 8.9515, 2.0199

Square

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



17.8372, 8.9515, 11.8540



9.2152, 8.9515, 0.0000



3.1774, 8.9515, 7.9052



7.8382, 8.9515, 47.8568

Rectangle

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



17.8372, 8.9515, 11.8540



14.7224, 8.9515, 1.2730



3.1774, 8.9515, 7.9052



4.3471, 8.9515, 32.4128

Sweetspot

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



17.8375, 8.9520, 11.8541



48.9454, 40.7690, 53.6194



9.3502, 4.0255, 36.3606



10.5640, 8.4853, 11.4374



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.8375, 8.9520, 11.8541



32.2642, 16.2027, 20.9420



15.8044, 8.1388, 1.1483



7.7061, 7.6123, 8.7695



13.8553, 6.9508, 9.3153



0.3618, 0.1790, 0.3568

Inverse Universe

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



17.8375, 8.9520, 11.8541



32.2642, 16.2027, 20.9420



19.3178, 29.5451, 34.4628



7.7061, 7.6123, 8.7695



13.8553, 6.9508, 9.3153



0.3618, 0.1790, 0.3568

Previews

White Background



This preview shows how the XYZ color 17.8372, 8.9515, 11.8540 looks on a white background.

Color Contrast Check

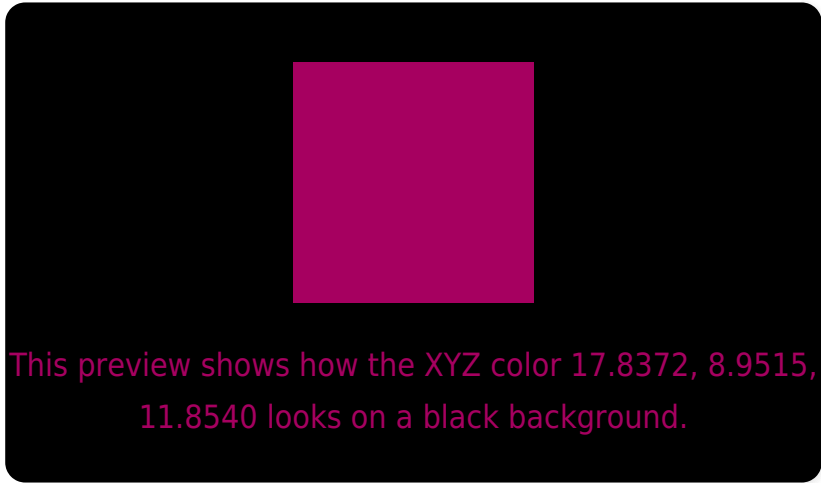
Large Text (above 18pt) WCAG AA ✓ Pass

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

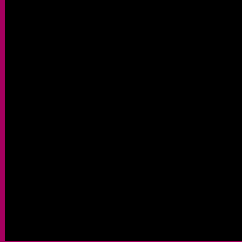
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8372, 8.9515, 11.8540

Background



This preview shows how black text looks on a background with the XYZ color 17.8372, 8.9515, 11.8540.



This preview shows how white text looks on a background with the XYZ color 17.8372, 8.9515,

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

17.8372, 8.9515, 11.8540

Protanopia

10.2991, 9.7195, 25.3780

Deuteranopia

9.7710, 9.6512, 10.7991



Tritanopia

16.1636, 9.3192, 2.8663

Trichromacy



Original Color

17.8372, 8.9515, 11.8540

Protanomaly

10.6503, 7.1055, 19.5491

Deuteranomaly

11.1361, 7.4760, 10.9813

Tritanomaly

16.4521, 8.8720, 5.1203

Monochromacy



Original Color

17.8372, 8.9515, 11.8540

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.1071, 4.5981, 6.9915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8372, 8.9515, 11.8540 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(166, 0, 96)` looks like.

```
.text, #text, p{  
  color:rgb(166, 0, 96)  
}
```

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(166, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 17.8372, 8.9515, 11.8540 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(166, 0, 96) }
```


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

```
.border{ border-color:rgb(166, 0, 96) }
```

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

Here you see how a box with a 4 pixel rgb(166, 0, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8372, 8.9515, 11.8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 96) }
```

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

```
.background{ background-color: rgb(166, 0,  
96) }
```

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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