

Converting Colors

XYZ(17.1960, 8.7512, 5.9384)

Have a look what the booklet for
XYZ(17.1960, 8.7512, 5.9384)
contains.

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Color

**XYZ(17.1318, 8.7182,
5.9341)**

Conversions

Conversions Part 1

Format	Color
Hex	A80042
RGB	168, 0, 66
RGB Percent	66%, 0%, 26%
CMY	0.3412, 0.9999, 0.7412
CMYK	0.00, 1.00, 0.61, 0.34
HSL	336°, 100%, 33%
HSV	336°, 100%, 66%
XYZ	17.1318, 8.7182, 5.9341
YIQ	57.7560, 78.9420, 56.1420

Conversions

Conversions Part 2

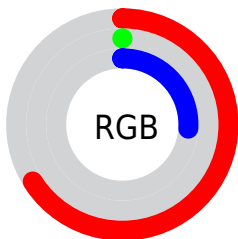
Format	Color
RYB	168, 0, 66
Decimal	11010114
CIELab	35.44, 60.73, 12.85
CIElCh	35, 62.078, 11.951
Yxy	8.7182, 0.5390, 0.2743
Android (android.graphics.Color)	4289200194 (0xFFA80042)
YUV	57.7560, 4.0643, 96.6840
Hunter-Lab	29.5266, 51.8970, 8.7528

Details

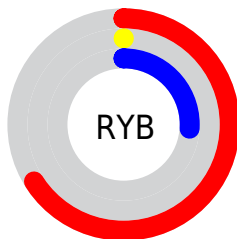
The XYZ color **17.1318, 8.7182, 5.9341** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.4025, 28.9651, 17.3039**, and the grayscale version is **3.9785, 4.1857, 4.5582**.

A 20% lighter version of the original color is **38.0181, 23.2990, 18.1162**, and **6.3492, 3.2541, 1.1576** is the 20% darker color. If you saturate the color by 10%, you get **17.1312, 8.7179, 5.9314**, and if you desaturate by 10%, it is **17.6577, 9.2450, 7.7281**.

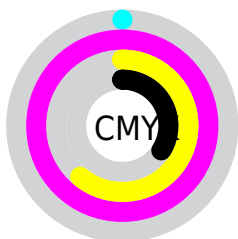
Distribution



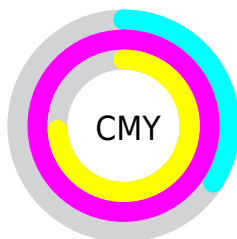
- Red (66%)
- Green (0%)
- Blue (26%)



- Red (66%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (34%)





- Cyan (34%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1318, 8.7182, 5.9341 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 17.1318, 8.7182, 5.9341 by changing the saturation by 10% instead.


 17.1318, 8.7182,
5.9341


 17.1318, 8.7182,
5.9341


229.0722,
181.2615, 167.7672


 10.4244, 4.5578,
2.7369


 38.0940, 23.3548,
18.2693


 5.7457, 1.9902,
0.9619

 53.0796, 34.5999,
28.2443


 2.7302, 0.6018,
0.0000


 71.5552, 48.9753,
41.3157

 1.0128, 0.0000,
0.0000

 93.8863, 66.8655,
57.9020

 0.0000, 0.0000,
0.0000

 120.4382, 88.6548,
78.4218

 151.5762,

114.7276, 103.2936

187.6658,
145.4684, 132.9358

17.1318, 8.7182,
5.9341

17.1318, 8.7182,
5.9341

17.1312, 8.7179,
5.9314

17.6577, 9.2450,
7.7281

18.4058, 10.1261,
9.8740

19.4466, 11.4985,
12.4075

20.8128, 13.4237,
15.3508

22.5322, 15.9543,
18.7242

■ 24.6298, 19.1366,
22.5461

■ 27.1280, 23.0122,
26.8341

■ 30.0474, 27.6194,
31.6042

■ 33.4073, 32.9937,
36.8720

Harmonies

Analogous

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



16.8227, 8.7182, 17.1053



17.1318, 8.7182, 5.9341



14.6159, 8.7182, 1.4297

Triad

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



17.1318, 8.7182, 5.9341



4.4499, 8.7182, 1.0459



6.3115, 8.7182, 43.8595

Complementary

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



17.1318, 8.7182, 5.9341



16.4025, 28.9651, 17.3039

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.



4.1129, 8.7182, 30.0275



17.1318, 8.7182, 5.9341



3.2739, 8.7182, 4.5590

Square

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



17.1318, 8.7182, 5.9341



6.9270, 8.7182, 0.0255



3.1717, 8.7182, 14.2479



9.8130, 8.7182, 45.3997

Rectangle

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



17.1318, 8.7182, 5.9341



12.0093, 8.7182, 0.4411



3.1717, 8.7182, 14.2479



5.4254, 8.7182, 40.1928

Sweetspot

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



17.1320, 8.7187, 5.9342



48.9507, 41.3253, 48.2300



12.4138, 5.5836, 37.4690



10.2550, 8.3617, 9.8101



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.



17.1320, 8.7187, 5.9342



30.9888, 15.7807, 10.2446



16.3462, 8.7203, 0.8225



7.6486, 7.5893, 8.4665



12.9606, 6.5930, 4.6043



0.3406, 0.1705, 0.2450

Inverse Universe

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



17.1320, 8.7187, 5.9342



30.9888, 15.7807, 10.2446



18.1674, 25.0257, 40.9184



7.6486, 7.5893, 8.4665



12.9606, 6.5930, 4.6043



0.3406, 0.1705, 0.2450

Previews

White Background



This preview shows how the XYZ color 17.1318, 8.7182, 5.9341 looks on a white background.

Color Contrast Check

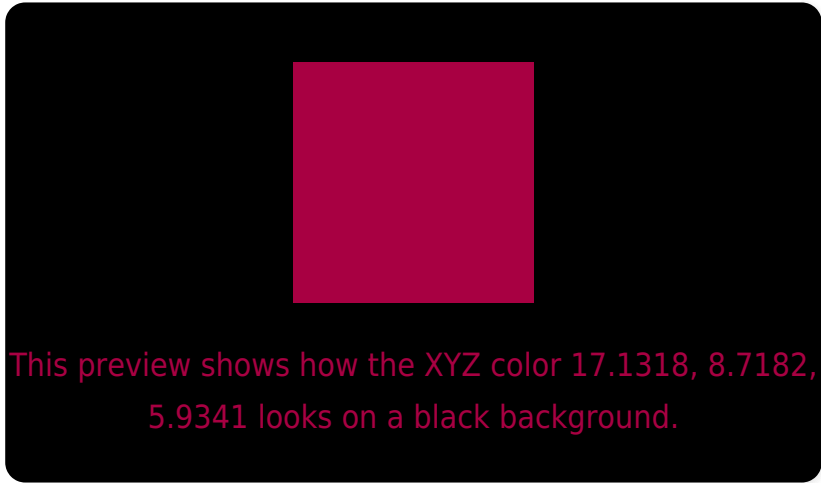
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1318, 8.7182, 5.9341

Background



This preview shows how black text looks on a background with the XYZ color 17.1318, 8.7182, 5.9341.



This preview shows how white text looks on a background with the XYZ color 17.1318, 8.7182,

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

17.1318, 8.7182, 5.9341

Protanopia

9.1854, 9.4314, 12.4026

Deuteranopia

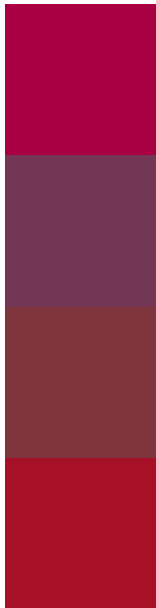
9.4762, 9.3858, 5.4499



Tritanopia

16.4812, 9.0245, 1.7929

Trichromacy



Original Color

17.1318, 8.7182, 5.9341

Protanomaly

10.0761, 7.0331, 9.4208

Deuteranomaly

10.8950, 7.4060, 5.4127

Tritanomaly

16.5198, 8.7696, 2.8295

Monochromacy



Original Color

17.1318, 8.7182, 5.9341

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5409, 4.2567, 4.8918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1318, 8.7182, 5.9341 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(168, 0, 66)` looks like.

```
.text, #text, p{  
  color:rgb(168, 0, 66)  
}
```

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(168, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 66) }
```

Border

The CSS property to change the border of an element to XYZ 17.1318, 8.7182, 5.9341 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(168, 0, 66) }
```


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

```
.border{ border-color:rgb(168, 0, 66) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.1318, 8.7182, 5.9341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 66) }
```

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

```
.background{ background-color: rgb(168, 0,  
66) }
```

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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