

Converting Colors

XYZ(17.3221, 8.8017, 6.6021)

Have a look what the booklet for
XYZ(17.3221, 8.8017, 6.6021)
contains.

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Color

**XYZ(17.2539, 8.7670,
6.5772)**

Conversions

Conversions Part 1

Format	Color
Hex	A80046
RGB	168, 0, 70
RGB Percent	66%, 0%, 27%
CMY	0.3412, 0.9999, 0.7255
CMYK	0.00, 1.00, 0.58, 0.34
HSL	335°, 100%, 33%
HSV	335°, 100%, 66%
XYZ	17.2539, 8.7670, 6.5772
YIQ	58.2120, 77.6580, 57.3860

Conversions

Conversions Part 2

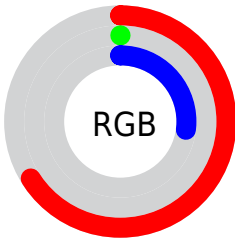
Format	Color
R_{YB}	168, 0, 70
Decimal	11010118
CIE Lab	35.53, 60.99, 10.37
CIE LCh	36, 61.865, 9.654
Yxy	8.7670, 0.5293, 0.2689
Android (android.graphics.Color)	4289200198 (0xFFA80046)
YUV	58.2120, 5.8115, 96.2841
Hunter-Lab	29.6091, 52.2000, 7.5560

Details

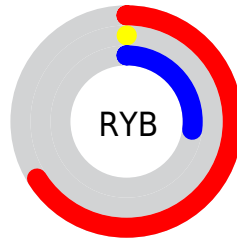
The XYZ color **17.2539, 8.7670, 6.5772** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.2086, 28.8875, 16.2830**, and the grayscale version is **4.0372, 4.2474, 4.6254**.

A 20% lighter version of the original color is **38.3075, 23.4148, 19.6400**, and **6.5163, 3.3351, 1.3989** is the 20% darker color. If you saturate the color by 10%, you get **17.2534, 8.7668, 6.5747**, and if you desaturate by 10%, it is **17.7867, 9.2966, 8.4080**.

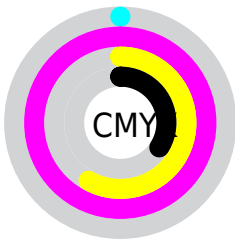
Distribution



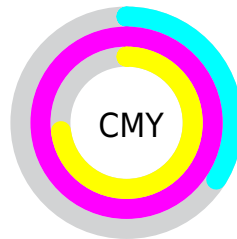
- Red (66%)
- Green (0%)
- Blue (27%)



- Red (66%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (34%)





- Cyan (34%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.2539, 8.7670, 6.5772 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 17.2539, 8.7670, 6.5772 by changing the saturation by 10% instead.

 17.2539, 8.7670,
6.5772


 17.2539, 8.7670,
6.5772


229.7591,
181.6301, 173.5982


 10.5121, 4.5895,
3.1247


 38.3019, 23.4489,
19.6156


 5.8047, 2.0085,
1.1587

 53.3389, 34.7221,
30.0387


 2.7662, 0.6124,
0.0000

 71.8716, 49.1294,
43.6223

 1.0314, 0.0000,
0.0000

 94.2655, 67.0551,
60.7850

 0.0000, 0.0000,
0.0000

 120.8858, 88.8836,
81.9455

 152.0979,

114.9994, 107.5221

188.2673,
145.7867, 137.9335

17.2539, 8.7670,
6.5772

17.2539, 8.7670,
6.5772

17.2534, 8.7668,
6.5747

17.7867, 9.2966,
8.4080

18.5383, 10.1790,
10.5722

19.5788, 11.5512,
13.1037

20.9404, 13.4745,
16.0234

22.6509, 16.0015,
19.3499

■ 24.7349, 19.1782,
23.1004

■ 27.2145, 23.0463,
27.2911

■ 30.1103, 27.6440,
31.9370

■ 33.4412, 33.0066,
37.0524

Harmonies

Analogous

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



16.7141, 8.7670, 18.2928



17.2539, 8.7670, 6.5772



14.9250, 8.7670, 1.6377

Triad

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



17.2539, 8.7670, 6.5772



4.6326, 8.7670, 0.9530



6.1388, 8.7670, 43.1040

Complementary

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



17.2539, 8.7670, 6.5772



16.2086, 28.8875, 16.2830

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.



4.0395, 8.7670, 28.7621



17.2539, 8.7670, 6.5772



3.3610, 8.7670, 4.1557

Square

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



17.2539, 8.7670, 6.5772



7.2189, 8.7670, 0.0191



3.1810, 8.7670, 13.2952



9.5557, 8.7670, 45.7852

Rectangle

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



17.2539, 8.7670, 6.5772



12.3686, 8.7670, 0.5504



3.1810, 8.7670, 13.2952



5.2869, 8.7670, 39.1655

Sweetspot

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



17.2541, 8.7675, 6.5773



49.1106, 41.3892, 49.0718



12.1063, 5.4250, 37.4546



10.2929, 8.3769, 10.0101



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.



17.2541, 8.7675, 6.5773



31.2075, 15.8681, 11.3963



16.3058, 8.6395, 0.8089



7.6559, 7.5922, 8.5051



13.0536, 6.6301, 5.0936



0.3433, 0.1716, 0.2591

Inverse Universe

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



17.2541, 8.7675, 6.5773



31.2075, 15.8681, 11.3963



18.6240, 25.9391, 41.0707



7.6559, 7.5922, 8.5051



13.0536, 6.6301, 5.0936



0.3433, 0.1716, 0.2591

Previews

White Background



This preview shows how the XYZ color 17.2539, 8.7670, 6.5772 looks on a white background.

Color Contrast Check

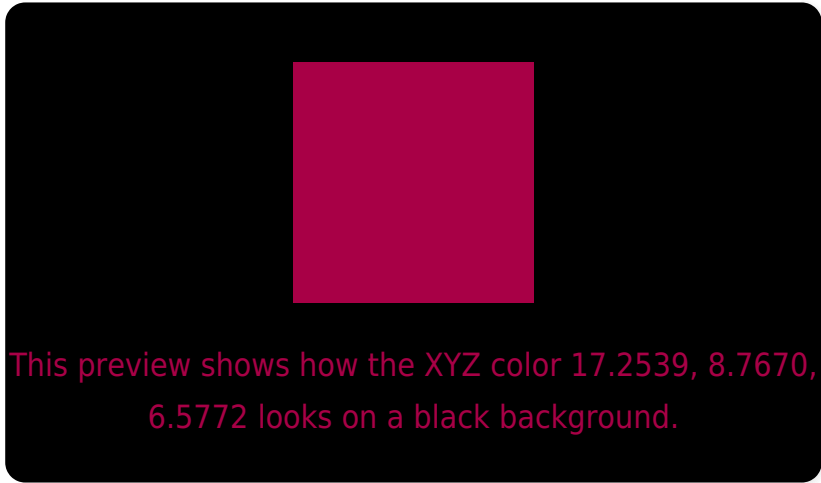
Large Text (above 18pt) WCAG AA ✓ Pass

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

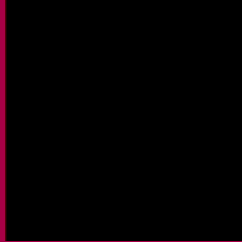
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.2539, 8.7670, 6.5772

Background



This preview shows how black text looks on a background with the XYZ color 17.2539, 8.7670, 6.5772.



This preview shows how white text looks on a background with the XYZ color 17.2539, 8.7670,

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

17.2539, 8.7670, 6.5772

Protanopia

9.2933, 9.4539, 13.9053

Deuteranopia

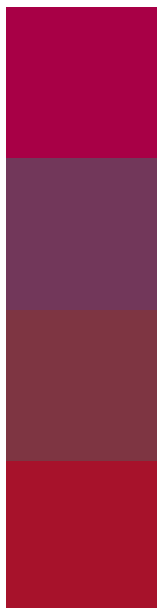
9.4699, 9.3702, 6.0121



Tritanopia

16.3390, 9.0166, 1.9161

Trichromacy



Original Color

17.2539, 8.7670, 6.5772

Protanomaly

10.1511, 7.0480, 10.4982

Deuteranomaly

10.8607, 7.3752, 6.0054

Tritanomaly

16.5887, 8.8225, 3.1141

Monochromacy



Original Color

17.2539, 8.7670, 6.5772

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5681, 4.2676, 5.0350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2539, 8.7670, 6.5772 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 17.2539, 8.7670, 6.5772 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, 70) }
```


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

```
.border{ border-color:rgb(168, 0, 70) }
```

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, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2539, 8.7670, 6.5772 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, 70) }
```

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

```
.background{ background-color: rgb(168, 0,  
70) }
```

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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