

Converting Colors

XYZ(17.9205, 9.5627, 5.2001)

Have a look what the booklet for
XYZ(17.9205, 9.5627, 5.2001)
contains.

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Color

**XYZ(17.8971, 9.5580,
5.1766)**

Conversions

Conversions Part 1

Format	Color
Hex	AB163C
RGB	171, 22, 60
RGB Percent	67%, 9%, 24%
CMY	0.3294, 0.9137, 0.7647
CMYK	0.00, 0.87, 0.65, 0.33
HSL	345°, 77%, 38%
HSV	345°, 87%, 67%
XYZ	17.8971, 9.5580, 5.1766
YIQ	70.8830, 76.6060, 43.4060

Conversions

Conversions Part 2

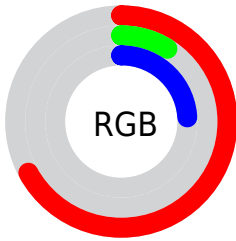
Format	Color
RYB	171, 22, 60
Decimal	11212348
CIELab	37.04, 57.98, 18.99
CIElCh	37, 61.006, 18.136
Yxy	9.5580, 0.5485, 0.2929
Android (android.graphics.Color)	4289402428 (0xFFAB163C)
YUV	70.8830, -5.3653, 87.8026
Hunter-Lab	30.9160, 49.2296, 11.7137

Details

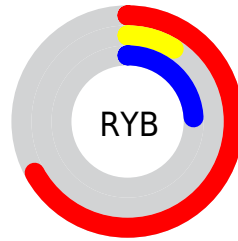
The XYZ color **17.8971, 9.5580, 5.1766** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.1288, 30.9903, 27.1696**, and the grayscale version is **5.9705, 6.2814, 6.8405**.

A 20% lighter version of the original color is **39.2603, 24.8729, 16.6416**, and **6.6731, 3.4265, 0.9258** is the 20% darker color. If you saturate the color by 10%, you get **17.3662, 8.9719, 3.5334**, and if you desaturate by 10%, it is **18.7179, 10.5942, 7.3167**.

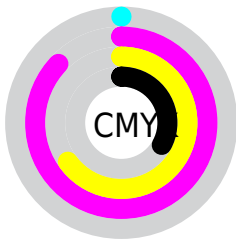
Distribution



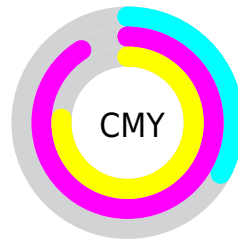
- Red (67%)
- Green (9%)
- Blue (24%)



- Red (67%)
- Yellow (9%)
- Blue (24%)



- Cyan (0%)
- Magenta (87%)
- Yellow (65%)
- Black (33%)




- Cyan (33%)
- Magenta (91%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8971, 9.5580, 5.1766 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 17.8971, 9.5580, 5.1766 by changing the saturation by 10% instead.


 17.8971, 9.5580,
5.1766


 17.8971, 9.5580,
5.1766


233.3472,
187.4877, 160.5218


 10.9754, 5.1069,
2.2907


 39.3934, 24.9608,
16.6434


 6.1175, 2.3101,
0.7260


 54.6986, 36.6812,
26.0614


 2.9580, 0.7791,
0.0000

 73.5291, 51.5936,
38.4939

 1.1316, 0.0000,
0.0000

 96.2501, 70.0822,
54.3593

 0.0513, 0.0000,
0.0000

 123.2271, 92.5316,
74.0763

 0.0000, 0.0000,
0.0000

 154.8254,

119.3260, 98.0633

191.4103,
150.8499, 126.7390

■ 17.8971, 9.5580,
5.1766

■ 17.8971, 9.5580,
5.1766

■ 17.3662, 8.9719,
3.5334

■ 18.7179, 10.5942,
7.3167

■ 17.2415, 8.8367,
3.1403

■ 19.8780, 12.1708,
9.9964

■ 21.4130, 14.3507,
13.2515

■ 23.3530, 17.1875,
17.1145

■ 25.7254, 20.7290,
21.6153

■ 28.5551, 25.0184,
26.7816

■ 31.8647, 30.0954,
32.6397

■ 35.6758, 35.9970,
39.2141

■ 40.0082, 42.7577,
46.5284

Harmonies

Analogous

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



18.2228, 9.5580, 15.3032



17.8971, 9.5580, 5.1766



14.8539, 9.5580, 1.3256

Triad

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



17.8971, 9.5580, 5.1766



4.6733, 9.5580, 1.7770



7.6700, 9.5580, 46.9963

Complementary

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



17.8971, 9.5580, 5.1766



19.1288, 30.9903, 27.1696

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.



5.0440, 9.5580, 34.9028



17.8971, 9.5580, 5.1766



3.6640, 9.5580, 6.6854

Square

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



17.8971, 9.5580, 5.1766



7.0035, 9.5580, 0.4112



3.7776, 9.5580, 18.3304



11.5418, 9.5580, 45.4029

Rectangle

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



17.8971, 9.5580, 5.1766



12.0711, 9.5580, 0.5061



3.7776, 9.5580, 18.3304



6.6364, 9.5580, 44.1771

Sweetspot

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



17.8973, 9.5586, 5.1767



51.5080, 45.3670, 48.6235



17.0399, 8.3617, 39.2437



11.0820, 9.5008, 10.1143



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.



17.8973, 9.5586, 5.1767



30.8059, 15.7970, 5.2392



18.3917, 11.6204, 2.0335



8.0859, 8.0476, 8.7633



13.0163, 6.6691, 2.4654



0.3843, 0.1944, 0.1853

Inverse Universe

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



17.8973, 9.5586, 5.1767



30.8059, 15.7970, 5.2392



16.5194, 20.7861, 41.6693



8.0859, 8.0476, 8.7633



13.0163, 6.6691, 2.4654



0.3843, 0.1944, 0.1853

Previews

White Background



This preview shows how the XYZ color 17.8971, 9.5580, 5.1766 looks on a white background.

Color Contrast Check

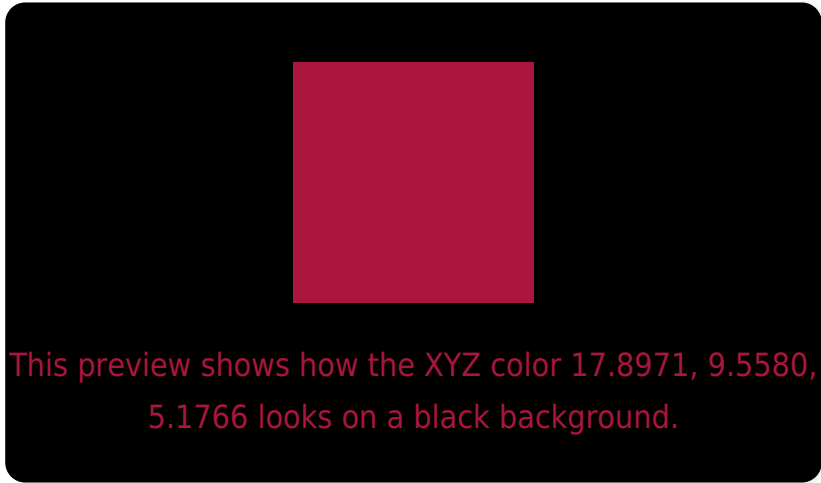
Large Text (above 18pt) WCAG AA ✓ Pass

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

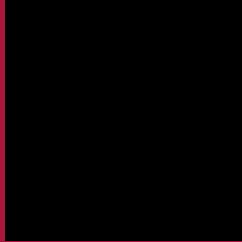
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8971, 9.5580, 5.1766

Background



This preview shows how black text looks on a background with the XYZ color 17.8971, 9.5580, 5.1766.



This preview shows how white text looks on a background with the XYZ color 17.8971, 9.5580,

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

17.8971, 9.5580, 5.1766

Protanopia

9.4838, 9.8755, 10.2104

Deuteranopia

10.0754, 9.9422, 4.7562



Tritanopia

17.3019, 9.6198, 2.1732

Trichromacy



Original Color

17.8971, 9.5580, 5.1766

Protanomaly

10.9187, 8.1957, 8.0276

Deuteranomaly

11.7965, 8.5561, 4.7711

Tritanomaly

17.3931, 9.5367, 3.0219

Monochromacy



Original Color

17.8971, 9.5580, 5.1766

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.3496, 6.0773, 6.0431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8971, 9.5580, 5.1766 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, 22, 60)` looks like.

```
.text, #text, p{  
    color:rgb(171, 22, 60)  
}
```

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, 22, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 22, 60) }
```

Border

The CSS property to change the border of an element to XYZ 17.8971, 9.5580, 5.1766 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, 22, 60) }
```


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

```
.border{ border-color:rgb(171, 22, 60) }
```

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

Here you see how a box with a 4 pixel rgb(171, 22, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 22, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 22, 60);  
box-shadow:4px 4px 4px 4px rgb(171, 22,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8971, 9.5580, 5.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 22, 60) }
```

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

```
.background{ background-color: rgb(171, 22,  
60) }
```

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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