

Converting Colors

XYZ(18.6217, 9.5829, 1.6369)

Have a look what the booklet for
XYZ(18.6217, 9.5829, 1.6369)
contains.

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Color

**XYZ(18.5049, 9.5229,
1.6218)**

Conversions

Conversions Part 1

Format	Color
Hex	B20016
RGB	178, 0, 22
RGB Percent	70%, 0%, 9%
CMY	0.3020, 0.9999, 0.9137
CMYK	0.00, 1.00, 0.88, 0.30
HSL	353°, 100%, 35%
HSV	353°, 100%, 70%
XYZ	18.5049, 9.5229, 1.6218
YIQ	55.7300, 99.0260, 44.5780

Conversions

Conversions Part 2

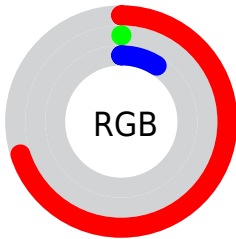
Format	Color
R_{YB}	178, 0, 22
Decimal	11665430
CIE _{Lab}	36.97, 61.46, 42.12
CIE _{LCh}	37, 74.512, 34.424
Yxy	9.5229, 0.6241, 0.3212
Android (android.graphics.Color)	4289855510 (0xFFB20016)
YUV	55.7300, -16.6289, 107.2308
Hunter-Lab	30.8592, 53.0350, 18.4855

Details

The XYZ color **18.5049, 9.5229, 1.6218** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **21.9241, 34.2421, 36.9204**, and the grayscale version is **3.7381, 3.9328, 4.2828**.

A 20% lighter version of the original color is **40.4271, 24.8745, 7.9807**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.5045, 9.5227, 1.6204**, and if you desaturate by 10%, it is **18.9170, 10.0295, 2.7391**.

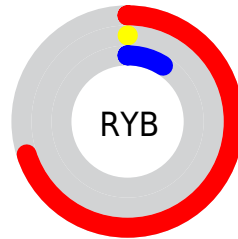
Distribution



Red (70%)

Green (0%)

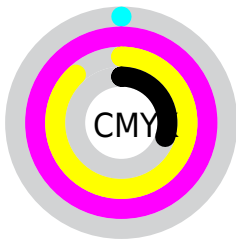
Blue (9%)



Red (70%)

Yellow (0%)

Blue (9%)

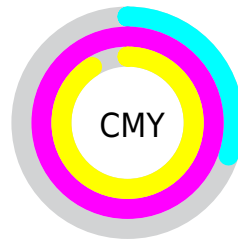


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (30%)



Cyan (30%)


Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5049, 9.5229, 1.6218 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 18.5049, 9.5229, 1.6218 by changing the saturation by 10% instead.


 18.5049, 9.5229,
1.6218


 18.5049, 9.5229,
1.6218


236.6927,
187.2322, 116.1964


 11.4150, 5.0838,
0.3063


 40.4192, 24.8942,
7.9784


 6.4160, 2.2965,
0.0000


 55.9742, 36.5951,
13.9949


 3.1427, 0.7719,
0.0000

 75.0817, 51.4855,
22.4615

 1.2297, 0.0000,
0.0000

 98.1069, 69.9497,
33.7969

 0.1296, 0.0000,
0.0000


 125.4153, 92.3720,
48.4195

 0.0000, 0.0000,
0.0000


 157.3721,


119.1370, 66.7480


 194.3428,
150.6289, 89.2008


 18.5049, 9.5229,
1.6218


 18.5049, 9.5229,
1.6218

 18.5045, 9.5227,
1.6204

 18.9170, 10.0295,
2.7391

 19.6271, 10.9634,
4.4746

 20.7210, 12.4779,
6.9154

 22.2443, 14.6474,
10.1269

 24.2358, 17.5352,
14.1672

■ 26.7302, 21.1972,
19.0888

■ 29.7586, 25.6836,
24.9396

■ 33.3497, 31.0405,
31.7641

■ 37.5302, 37.3105,
39.6041

Harmonies

Analogous

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



21.0724, 9.5229, 8.5319



18.5049, 9.5229, 1.6218



13.4410, 9.5229, 0.0000

Triad

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



18.5049, 9.5229, 1.6218



3.1802, 9.5229, 2.8186



9.7521, 9.5229, 61.8331

Complementary

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



18.5049, 9.5229, 1.6218



21.9241, 34.2421, 36.9204

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.



5.7394, 9.5229, 54.2382



18.5049, 9.5229, 1.6218



2.7792, 9.5229, 12.4521

Square

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



18.5049, 9.5229, 1.6218



4.9092, 9.5229, 0.1595



3.5328, 9.5229, 32.3492



15.0416, 9.5229, 48.5508

Rectangle

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



18.5049, 9.5229, 1.6218



9.9399, 9.5229, 0.0000



3.5328, 9.5229, 32.3492



8.2172, 9.5229, 61.6869

Sweetspot

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



18.5051, 9.5235, 1.6219



53.6454, 46.0997, 44.6128



21.4141, 10.1116, 42.9422



11.3560, 9.4281, 8.8659



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.5051, 9.5235, 1.6219



33.5123, 17.2511, 2.7029



20.2669, 13.2785, 1.4957



8.5376, 8.5218, 9.0636



13.2534, 6.8189, 1.2286



0.4306, 0.2200, 0.1102

Inverse Universe

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



18.5051, 9.5235, 1.6219



33.5123, 17.2511, 2.7029



13.9129, 14.9679, 44.2749



8.5376, 8.5218, 9.0636



13.2534, 6.8189, 1.2286



0.4306, 0.2200, 0.1102

Previews

White Background



This preview shows how the XYZ color 18.5049, 9.5229, 1.6218 looks on a white background.

Color Contrast Check

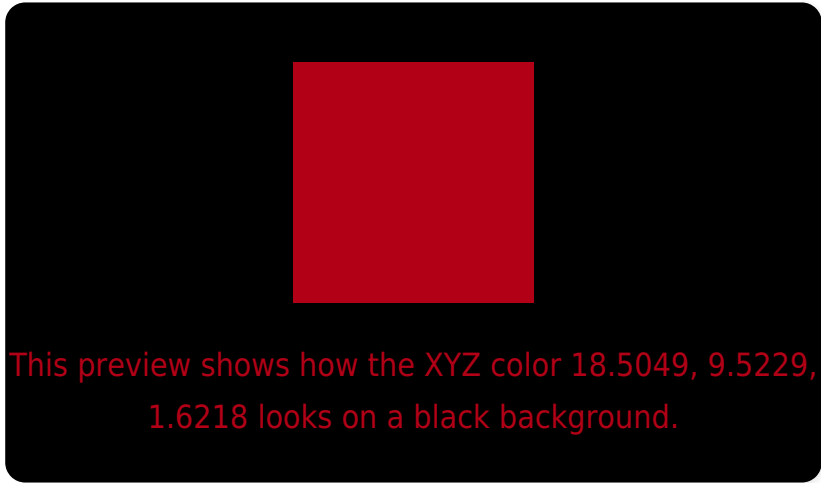
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5049, 9.5229, 1.6218

Background



This preview shows how black text looks on a background with the XYZ color 18.5049, 9.5229, 1.6218.



This preview shows how white text looks on a background with the XYZ color 18.5049, 9.5229,

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

18.5049, 9.5229, 1.6218

Protanopia

9.2615, 10.1616, 3.3070

Deuteranopia

10.1879, 10.0744, 1.4076



Tritanopia

18.3168, 9.7177, 0.9103

Trichromacy



Original Color

18.5049, 9.5229, 1.6218

Protanomaly

10.6259, 7.6197, 2.2772

Deuteranomaly

11.6795, 7.9742, 1.1533

Tritanomaly

18.2838, 9.5817, 1.1155

Monochromacy



Original Color

18.5049, 9.5229, 1.6218

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.3410, 4.1529, 2.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5049, 9.5229, 1.6218 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(178, 0, 22)` looks like.

```
.text, #text, p{  
  color:rgb(178, 0, 22)  
}
```

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(178, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 22) }
```

Border

The CSS property to change the border of an element to XYZ 18.5049, 9.5229, 1.6218 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(178, 0, 22) }
```


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

```
.border{ border-color:rgb(178, 0, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 0, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 22)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5049, 9.5229, 1.6218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 22) }
```

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

```
.background{ background-color: rgb(178, 0,  
22) }
```

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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