

Converting Colors

XYZ(18.5230, 10.1164, 6.4493)

Have a look what the booklet for
XYZ(18.5230, 10.1164, 6.4493)
contains.

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Color

**XYZ(18.5209, 10.1166,
6.4454)**

Conversions

Conversions Part 1

Format	Color
Hex	AC1E44
RGB	172, 30, 68
RGB Percent	67%, 12%, 27%
CMY	0.3255, 0.8823, 0.7333
CMYK	0.00, 0.83, 0.60, 0.33
HSL	344°, 70%, 40%
HSV	344°, 83%, 67%
XYZ	18.5209, 10.1166, 6.4454
YIQ	76.7900, 72.4340, 41.9220

Conversions

Conversions Part 2

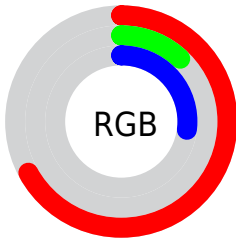
Format	Color
R _Y B	172, 30, 68
Decimal	11279940
CIE Lab	38.05, 56.90, 15.25
CIE LCh	38, 58.904, 15.000
Yxy	10.1166, 0.5279, 0.2884
Android (android.graphics.Color)	4289470020 (0xFFAC1E44)
YUV	76.7900, -4.3335, 83.4992
Hunter-Lab	31.8066, 48.2785, 10.2499

Details

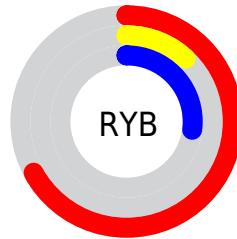
The XYZ color **18.5209, 10.1166, 6.4454** is a dark color, and the websafe version is hex **990033**, and the color name is **french wine**. A complement of this color would be **19.5922, 31.5026, 27.6070**, and the grayscale version is **7.0147, 7.3800, 8.0368**.

A 20% lighter version of the original color is **40.4977, 26.0668, 19.4199**, and **6.9965, 3.5853, 1.3006** is the 20% darker color. If you saturate the color by 10%, you get **17.8539, 9.3334, 4.5257**, and if you desaturate by 10%, it is **19.5084, 11.4088, 8.8798**.

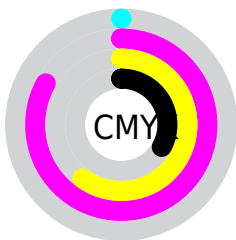
Distribution



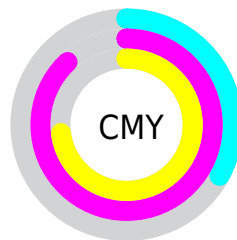
- Red (67%)
- Green (12%)
- Blue (27%)



- Red (67%)
- Yellow (12%)
- Blue (27%)



- Cyan (0%)
- Magenta (83%)
- Yellow (60%)
- Black (33%)





- Cyan (33%)
- Magenta (88%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5209, 10.1166, 6.4454 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 18.5209, 10.1166, 6.4454 by changing the saturation by 10% instead.


 18.5209, 10.1166,
6.4454

 18.5209, 10.1166,
6.4454


236.7802,
191.5022, 172.4246


 11.4266, 5.4763,
3.0446


 40.4461, 26.0146,
19.3420


 6.4239, 2.5294,
1.1175


 56.0077, 38.0411,
29.6749


 3.1476, 0.8913,
0.0000


 75.1224, 53.2985,
43.1556

 1.2323, 0.0000,
0.0000

 98.1556, 72.1711,
60.2026

 0.1316, 0.0000,
0.0000

 125.4726, 95.0434,
81.2344

 0.0000, 0.0000,
0.0000

 157.4388,

122.2998, 106.6697

194.4195,
154.3246, 136.9269

■ 18.5209, 10.1166,
6.4454

■ 18.5209, 10.1166,
6.4454

■ 17.8539, 9.3334,
4.5257

■ 19.5084, 11.4088,
8.8798

■ 17.5066, 8.9680,
3.3947

■ 20.8545, 13.2781,
11.8655

■ 22.5923, 15.7835,
15.4357

■ 24.7508, 18.9764,
19.6208

■ 27.3563, 22.9030,
24.4488

■ 30.4327, 27.6053,
29.9461

■ 34.0023, 33.1222,
36.1374

■ 38.0860, 39.4900,
43.0463

■ 42.7032, 46.7426,
50.6951

Harmonies

Analogous

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



18.5209, 10.1166, 17.3541



18.5209, 10.1166, 6.4454



15.7497, 10.1166, 1.8634

Triad

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



18.5209, 10.1166, 6.4454



5.3254, 10.1166, 1.8633



7.8487, 10.1166, 46.0163

Complementary

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



18.5209, 10.1166, 6.4454



19.5922, 31.5026, 27.6070

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.



5.3254, 10.1166, 33.3697



18.5209, 10.1166, 6.4454



4.1511, 10.1166, 6.4453

Square

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



18.5209, 10.1166, 6.4454



7.8487, 10.1166, 0.6088



4.1511, 10.1166, 17.3539



11.6294, 10.1166, 46.0164

Rectangle

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



18.5209, 10.1166, 6.4454



13.0389, 10.1166, 0.8543



4.1511, 10.1166, 17.3539



6.8508, 10.1166, 42.8611

Sweetspot

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



18.5211, 10.1172, 6.4456



53.5021, 47.4592, 51.3091



17.3908, 8.7948, 39.8104



11.2132, 9.6808, 10.4117



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.



18.5211, 10.1172, 6.4456



31.7497, 16.3043, 5.9850



18.9045, 12.1782, 2.5835



8.0900, 8.0492, 8.7846



13.0479, 6.6817, 2.6319



0.3858, 0.1950, 0.1936

Inverse Universe

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



18.5211, 10.1172, 6.4456



31.7497, 16.3043, 5.9850



17.5419, 22.3742, 42.4235



8.0900, 8.0492, 8.7846



13.0479, 6.6817, 2.6319



0.3858, 0.1950, 0.1936

Previews

White Background



This preview shows how the XYZ color 18.5209, 10.1166, 6.4454 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 × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5209, 10.1166, 6.4454

Background



This preview shows how black text looks on a background with the XYZ color 18.5209, 10.1166, 6.4454.



This preview shows how white text looks on a background with the XYZ color 18.5209, 10.1166,

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

18.5209, 10.1166, 6.4454

Protanopia

10.0361, 10.3627, 12.2977

Deuteranopia

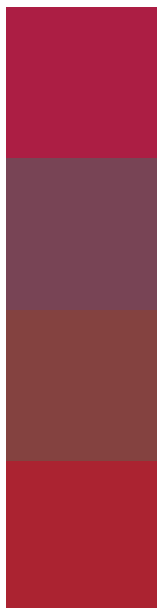
10.5572, 10.4045, 5.8667



Tritanopia

17.8376, 10.1841, 2.8593

Trichromacy



Original Color

18.5209, 10.1166, 6.4454

Protanomaly

11.4525, 8.7832, 9.6860

Deuteranomaly

12.3893, 9.1721, 5.9679

Tritanomaly

17.9500, 10.0817, 3.9056

Monochromacy



Original Color

18.5209, 10.1166, 6.4454

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.5340, 7.1709, 7.3602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5209, 10.1166, 6.4454 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(172, 30, 68)` looks like.

```
.text, #text, p{  
    color:rgb(172, 30, 68)  
}
```

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(172, 30, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 30, 68) }
```

Border

The CSS property to change the border of an element to XYZ 18.5209, 10.1166, 6.4454 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(172, 30, 68) }
```


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

```
.border{ border-color:rgb(172, 30, 68) }
```

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

Here you see how a box with a 4 pixel rgb(172, 30, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 30, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 30, 68);  
box-shadow:4px 4px 4px 4px rgb(172, 30,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5209, 10.1166, 6.4454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 30, 68) }
```

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

```
.background{ background-color: rgb(172, 30,  
68) }
```

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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