

Converting Colors

XYZ(18.1992, 9.3467, 2.4488)

Have a look what the booklet for
XYZ(18.1992, 9.3467, 2.4488)
contains.

XYZ(18.2079, 9.3515, 2.4355)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.2079, 9.3515,
2.4355)**

Conversions

Conversions Part 1

Format	Color
Hex	B00023
RGB	176, 0, 35
RGB Percent	69%, 0%, 14%
CMY	0.3098, 0.9999, 0.8627
CMYK	0.00, 1.00, 0.80, 0.31
HSL	348°, 100%, 35%
HSV	348°, 100%, 69%
XYZ	18.2079, 9.3515, 2.4355
YIQ	56.6140, 93.6610, 48.1970

Conversions

Conversions Part 2

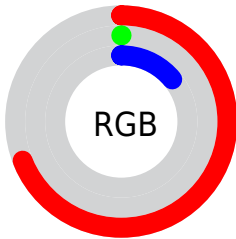
Format	Color
R_YB	176, 0, 35
Decimal	11534371
CIE Lab	36.65, 61.28, 34.43
CIE LCh	37, 70.292, 29.327
Yxy	9.3515, 0.6070, 0.3118
Android (android.graphics.Color)	4289724451 (0xFFB00023)
YUV	56.6140, -10.6557, 104.7015
Hunter-Lab	30.5802, 52.7661, 16.6841

Details

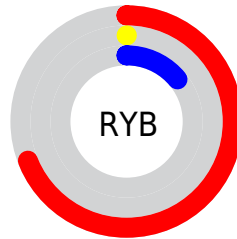
The XYZ color **18.2079, 9.3515, 2.4355** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **20.3357, 32.9747, 30.5044**, and the grayscale version is **3.8456, 4.0459, 4.4060**.

A 20% lighter version of the original color is **39.8406, 24.5219, 10.2228**, and **6.9394, 3.5774, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **18.2074, 9.3512, 2.4335**, and if you desaturate by 10%, it is **18.6713, 9.8735, 3.8388**.

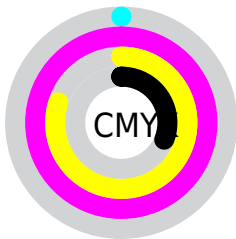
Distribution



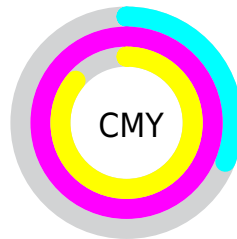
- Red (69%)
- Green (0%)
- Blue (14%)



- Red (69%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2079, 9.3515, 2.4355 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 18.2079, 9.3515, 2.4355 by changing the saturation by 10% instead.


 18.2079, 9.3515,
2.4355


 18.2079, 9.3515,
2.4355


235.0633,
185.9788, 128.8098


 11.1999, 4.9712,
0.8057


 39.9186, 24.5684,
10.2005

 6.2698, 2.2303,
0.0000


 55.3520, 36.1737,
17.1812


 3.0520, 0.7365,
0.0000

 74.3246, 50.9561,
26.7856

 1.1813, 0.0000,
0.0000

 97.2018, 69.3001,
39.4320

 0.0916, 0.0000,
0.0000


 124.3489, 91.5899,
55.5391

 0.0000, 0.0000,
0.0000


 156.1313,

118.2101, 75.5254


 192.9143,
149.5449, 99.8095


 18.2079, 9.3515,
2.4355


 18.2079, 9.3515,
2.4355


 18.2074, 9.3512,
2.4335

 18.6713, 9.8735,
3.8388

 19.4152, 10.8070,
5.7955

 20.5203, 12.3012,
8.3712

 22.0278, 14.4271,
11.6144

 23.9730, 17.2453,
15.5684

■ 26.3874, 20.8092,
20.2730

■ 29.2996, 25.1670,
25.7647

■ 32.7356, 30.3627,
32.0778

■ 36.7198, 36.4373,
39.2443

Harmonies

Analogous

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



19.9681, 9.3515, 10.4625



18.2079, 9.3515, 2.4355



13.8021, 9.3515, 0.1913

Triad

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



18.2079, 9.3515, 2.4355



3.5092, 9.3515, 2.2548



8.7917, 9.3515, 56.8707

Complementary

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



18.2079, 9.3515, 2.4355



20.3357, 32.9747, 30.5044

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.



5.3058, 9.3515, 47.0813



18.2079, 9.3515, 2.4355



2.9237, 9.3515, 9.9069

Square

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



18.2079, 9.3515, 2.4355



5.4258, 9.3515, 0.1336



3.4573, 9.3515, 26.7160



13.5781, 9.3515, 47.8565

Rectangle

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



18.2079, 9.3515, 2.4355



10.5073, 9.3515, 0.0000



3.4573, 9.3515, 26.7160



7.4448, 9.3515, 55.5974

Sweetspot

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



18.2081, 9.3521, 2.4356



52.8291, 45.1769, 46.1499



18.7883, 8.7810, 41.7787



10.9586, 9.0549, 9.0830



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.2081, 9.3521, 2.4356



32.9583, 16.9346, 4.0759



19.1696, 11.7602, 1.2605



8.5631, 8.5320, 9.1978



13.3764, 6.8681, 1.8762



0.4411, 0.2242, 0.1655

Inverse Universe

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



18.2081, 9.3521, 2.4356



32.9583, 16.9346, 4.0759



14.9458, 17.3527, 43.6357



8.5631, 8.5320, 9.1978



13.3764, 6.8681, 1.8762



0.4411, 0.2242, 0.1655

Previews

White Background



This preview shows how the XYZ color 18.2079, 9.3515, 2.4355 looks on a white background.

Color Contrast Check

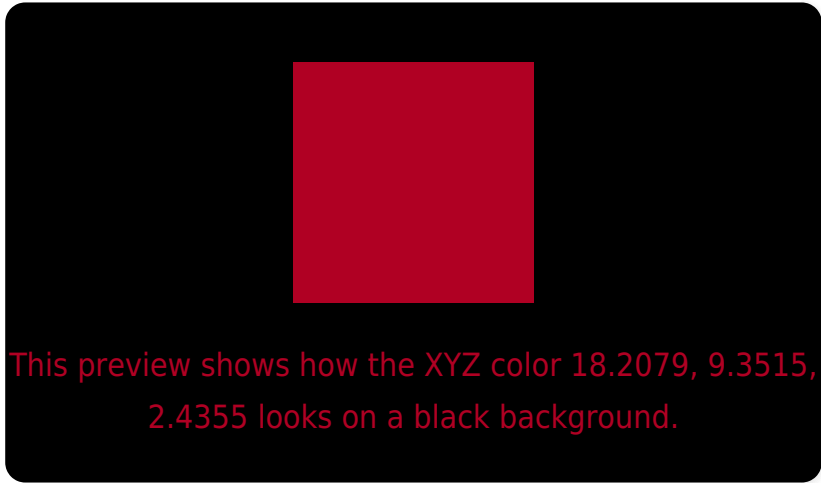
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2079, 9.3515, 2.4355

Background



This preview shows how black text looks on a background with the XYZ color 18.2079, 9.3515, 2.4355.



This preview shows how white text looks on a background with the XYZ color 18.2079, 9.3515,

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

18.2079, 9.3515, 2.4355

Protanopia

9.1680, 9.9525, 4.9278

Deuteranopia

10.0754, 9.9997, 2.1582



Tritanopia

18.0753, 9.5718, 0.8949

Trichromacy



Original Color

18.2079, 9.3515, 2.4355

Protanomaly

10.5804, 7.5671, 3.5923

Deuteranomaly

11.5087, 7.8684, 1.9491

Tritanomaly

18.0857, 9.4762, 1.2566

Monochromacy



Original Color

18.2079, 9.3515, 2.4355

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.4408, 4.1928, 3.3756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2079, 9.3515, 2.4355 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(176, 0, 35)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 35)  
}
```

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(176, 0, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 35) }
```

Border

The CSS property to change the border of an element to XYZ 18.2079, 9.3515, 2.4355 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(176, 0, 35) }
```


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

```
.border{ border-color:rgb(176, 0, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 0, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.2079, 9.3515, 2.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 35) }
```

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

```
.background{ background-color: rgb(176, 0,  
35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor