

Converting Colors

XYZ(16.7726, 8.9976, 0.8527)

Have a look what the booklet for
XYZ(16.7726, 8.9976, 0.8527)
contains.

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Color

**XYZ(16.8104, 9.0118,
0.8534)**

Conversions

Conversions Part 1

Format	Color
Hex	AA1300
RGB	170, 19, 0
RGB Percent	67%, 7%, 0%
CMY	0.3333, 0.9254, 1.0000
CMYK	0.00, 0.89, 1.00, 0.33
HSL	7°, 100%, 33%
HSV	7°, 100%, 67%
XYZ	16.8104, 9.0118, 0.8534
YIQ	61.9830, 96.0950, 26.1030

Conversions

Conversions Part 2

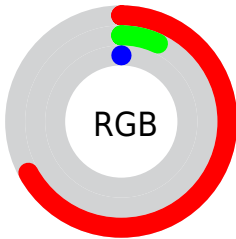
Format	Color
R_{YB}	170, 21, 0
Decimal	11145984
CIE _{Lab}	36.01, 56.49, 49.87
CIE _{LCh}	36, 75.359, 41.439
Yxy	9.0118, 0.6302, 0.3378
Android (android.graphics.Color)	4289336064 (0xFFAA1300)
YUV	61.9830, -30.5576, 94.7309
Hunter-Lab	30.0197, 47.4220, 19.3283

Details

The XYZ color **16.8104, 9.0118, 0.8534** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.3189, 25.0288, 41.8953**, and the grayscale version is **4.6108, 4.8509, 5.2827**.

A 20% lighter version of the original color is **37.5793, 23.9007, 5.5384**, and **6.1843, 3.1881, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **16.8106, 9.0124, 0.8535**, and if you desaturate by 10%, it is **17.2540, 9.7372, 1.5004**.

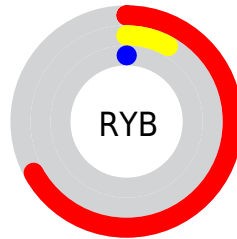
Distribution



Red (67%)

Green (7%)

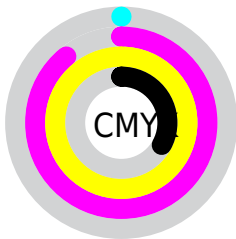
Blue (0%)



Red (67%)

Yellow (8%)

Blue (0%)

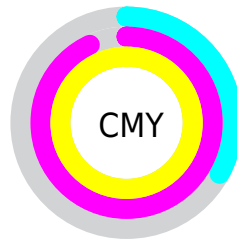


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (93%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8104, 9.0118, 0.8534 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 16.8104, 9.0118, 0.8534 by changing the saturation by 10% instead.


 16.8104, 9.0118,
0.8534


 16.8104, 9.0118,
0.8534


 227.2550,
183.4659, 100.8652

 10.1939, 4.7489,
0.0000


 37.5457, 23.9194,
5.5771


 5.5909, 2.1007,
0.0000

 52.3952, 35.3329,
10.4322


 2.6363, 0.6650,
0.0000

 70.7197, 49.8986,
17.5088

 0.9645, 0.0000,
0.0000


 92.8846, 68.0011,
27.2256


 0.0000, 0.0000,
0.0000


 119.2552, 90.0247,
40.0011


 150.1969,


116.3537, 56.2539


 186.0750,
147.3727, 76.4024


 16.8104, 9.0118,
0.8534


 16.8104, 9.0118,
0.8534


 16.8106, 9.0124,
0.8535

 17.2540, 9.7372,
1.5004

 17.9735, 10.8762,
2.6654

 19.0261, 12.4872,
4.5394

 20.4465, 14.6148,
7.2121

 22.2652, 17.2982,
10.7596

■ 24.5093, 20.5726,
15.2494

■ 27.2035, 24.4706,
20.7421

■ 30.3706, 29.0222,
27.2934

■ 34.0320, 34.2557,
34.9550

Harmonies

Analogous

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



20.1284, 9.0118, 5.6781



16.8104, 9.0118, 0.8534



11.6199, 9.0118, 0.0000

Triad

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



16.8104, 9.0118, 0.8534



2.7089, 9.0118, 3.8562



10.3954, 9.0118, 59.5193

Complementary

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



16.8104, 9.0118, 0.8534



18.3189, 25.0288, 41.8953

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.



6.0995, 9.0118, 56.9129



16.8104, 9.0118, 0.8534



2.5820, 9.0118, 15.5821

Square

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



16.8104, 9.0118, 0.8534



4.0260, 9.0118, 0.3906



3.5845, 9.0118, 36.9813



15.6489, 9.0118, 42.4975

Rectangle

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



16.8104, 9.0118, 0.8534



8.3503, 9.0118, 0.0000



3.5845, 9.0118, 36.9813



8.7842, 9.0118, 61.1424

Sweetspot

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



16.8106, 9.0124, 0.8535



49.0708, 43.9850, 37.0440



22.3271, 10.8458, 31.0534



10.4781, 9.1373, 7.3095



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.



16.8106, 9.0124, 0.8535



30.4221, 16.1936, 1.5222



21.3287, 18.0486, 2.3596



7.5962, 7.6725, 7.8698



12.3882, 6.6736, 0.6352



0.3215, 0.2025, 0.0221

Inverse Universe

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



18.3189, 25.0288, 41.8953



33.1375, 45.2115, 75.9820



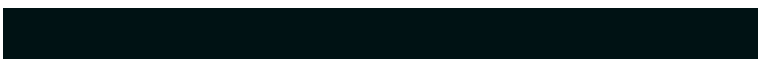
9.3227, 7.0365, 38.8966



7.6748, 8.3866, 9.6326



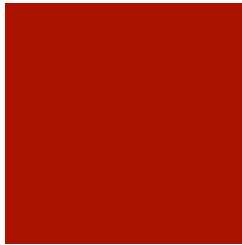
13.5011, 18.4624, 30.8275



0.3481, 0.4884, 0.7566

Previews

White Background



This preview shows how the XYZ color 16.8104, 9.0118, 0.8534 looks on a white background.

Color Contrast Check

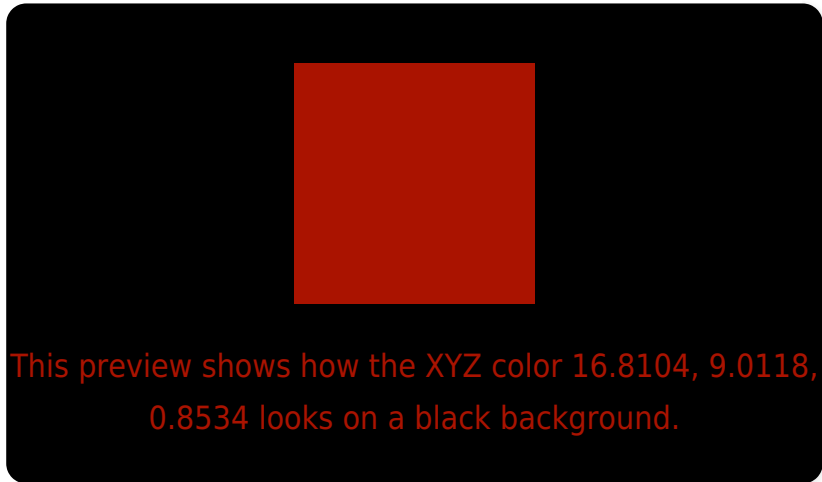
Large Text (above 18pt) WCAG AA ✓ Pass

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

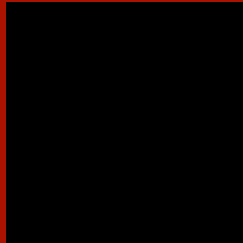
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8104, 9.0118, 0.8534

Background



This preview shows how black text looks on a background with the XYZ color 16.8104, 9.0118, 0.8534.



This preview shows how white text looks on a background with the XYZ color 16.8104, 9.0118,

0.8534.

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

16.8104, 9.0118, 0.8534

Protanopia

8.4733, 9.4119, 2.0796

Tritanopia

16.8665, 9.0077, 1.2305

Trichromacy



Original Color

16.8104, 9.0118, 0.8534

Protanomaly

10.1075, 7.7594, 1.3458

Tritanomaly

16.8377, 8.9962, 1.0787

Monochromacy



Original Color

16.8104, 9.0118, 0.8534

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.7100, 4.8672, 2.5053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8104, 9.0118, 0.8534 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(170, 19, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 19, 0)  
}
```

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(170, 19, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 19, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.8104, 9.0118, 0.8534 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(170, 19, 0) }
```

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

```
.border{ border-color:rgb(170, 19, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 19, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 19, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 19, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 19, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 16.8104, 9.0118, 0.8534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 19, 0) }
```

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

```
.background{ background-color: rgb(170, 19,  
0) }
```

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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