

Converting Colors

XYZ(18.4751, 9.5243, 0.8652)

Have a look what the booklet for
XYZ(18.4751, 9.5243, 0.8652)
contains.

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Color

**XYZ(18.3601, 9.4650,
0.8592)**

Conversions

Conversions Part 1

Format	Color
Hex	B20000
RGB	178, 0, 0
RGB Percent	70%, 0%, 0%
CMY	0.3020, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.30
HSL	0°, 100%, 35%
HSV	0°, 100%, 70%
XYZ	18.3601, 9.4650, 0.8592
YIQ	53.2220, 106.0880, 37.7360

Conversions

Conversions Part 2

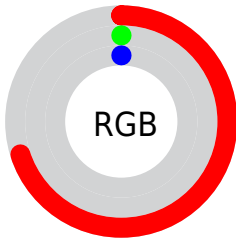
Format	Color
R_{YB}	178, 0, 0
Decimal	11665408
CIE Lab	36.86, 61.17, 51.27
CIE LCh	37, 79.814, 39.969
Yxy	9.4650, 0.6401, 0.3300
Android (android.graphics.Color)	4289855488 (0xFFB20000)
YUV	53.2220, -26.2384, 109.4303
Hunter-Lab	30.7652, 52.6862, 19.8798

Details

The XYZ color **18.3601, 9.4650, 0.8592** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **23.9495, 35.0417, 47.6206**, and the grayscale version is **3.4349, 3.6138, 3.9354**.

A 20% lighter version of the original color is **40.3125, 24.8684, 5.5811**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.3603, 9.4656, 0.8594**, and if you desaturate by 10%, it is **18.6810, 9.9350, 1.4968**.

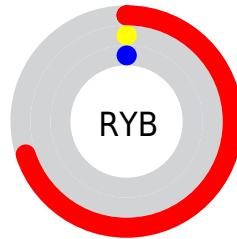
Distribution



Red (70%)

Green (0%)

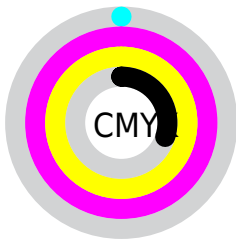
Blue (0%)



Red (70%)

Yellow (0%)

Blue (0%)

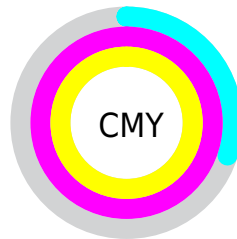


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3601, 9.4650, 0.8592 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 18.3601, 9.4650, 0.8592 by changing the saturation by 10% instead.


 18.3601, 9.4650,
0.8592


 18.3601, 9.4650,
0.8592


 235.8995,
186.8099, 100.9940


 11.3101, 5.0457,
0.0000


 40.1753, 24.7842,
5.5958


 6.3446, 2.2741,
0.0000


 55.6711, 36.4530,
10.4605


 3.0984, 0.7600,
0.0000

 74.7130, 51.3070,
17.5489

 1.2060, 0.0000,
0.0000

 97.6662, 69.7307,
27.2795

 0.1111, 0.0000,
0.0000


 124.8961, 92.1084,
40.0707


 0.0000, 0.0000,
0.0000

 156.7680,


118.8246, 56.3412


 193.6474,
150.2636, 76.5094


 18.3601, 9.4650,
0.8592


 18.3601, 9.4650,
0.8592


 18.3603, 9.4656,
0.8594

 18.6810, 9.9350,
1.4968

 19.2919, 10.8291,
2.7106

 20.3043, 12.3106,
4.7226

 21.7709, 14.4569,
7.6379

 23.7368, 17.3336,
11.5458

■ 26.2414, 20.9986,
16.5248

■ 29.3203, 25.5039,
22.6456

■ 33.0060, 30.8970,
29.9728

■ 37.3285, 37.2219,
38.5664

Harmonies

Analogous

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



21.8881, 9.4650, 6.2936



18.3601, 9.4650, 0.8592



12.6383, 9.4650, 0.0000

Triad

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



18.3601, 9.4650, 0.8592



2.7169, 9.4650, 3.5356



10.7339, 9.4650, 66.5792

Complementary

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



18.3601, 9.4650, 0.8592



23.9495, 35.0417, 47.6206

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.



6.1311, 9.4650, 62.4062



18.3601, 9.4650, 0.8592



2.5282, 9.4650, 15.7388

Square

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



18.3601, 9.4650, 0.8592



4.1875, 9.4650, 0.1671



3.5221, 9.4650, 39.3139



16.5375, 9.4650, 48.0950

Rectangle

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



18.3601, 9.4650, 0.8592



9.0014, 9.4650, 0.0000



3.5221, 9.4650, 39.3139



8.9910, 9.4650, 68.0071

Sweetspot

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



18.3603, 9.4656, 0.8594



52.8547, 45.7871, 40.4375



26.3958, 12.6792, 43.1752



11.1705, 9.3547, 7.8864



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.



18.3603, 9.4656, 0.8594



33.2954, 17.1651, 1.5583



21.9323, 16.6096, 2.0500



8.4965, 8.5055, 8.8464



13.1372, 6.7729, 0.6149



0.4134, 0.2132, 0.0194

Inverse Universe

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



23.9495, 35.0417, 47.6206



43.4312, 63.5462, 86.3577



11.6082, 10.3590, 43.5068



8.7425, 9.6313, 10.9046



17.1364, 25.0731, 34.0734



0.5392, 0.7890, 1.0721

Previews

White Background



This preview shows how the XYZ color 18.3601, 9.4650, 0.8592 looks on a white background.

Color Contrast Check

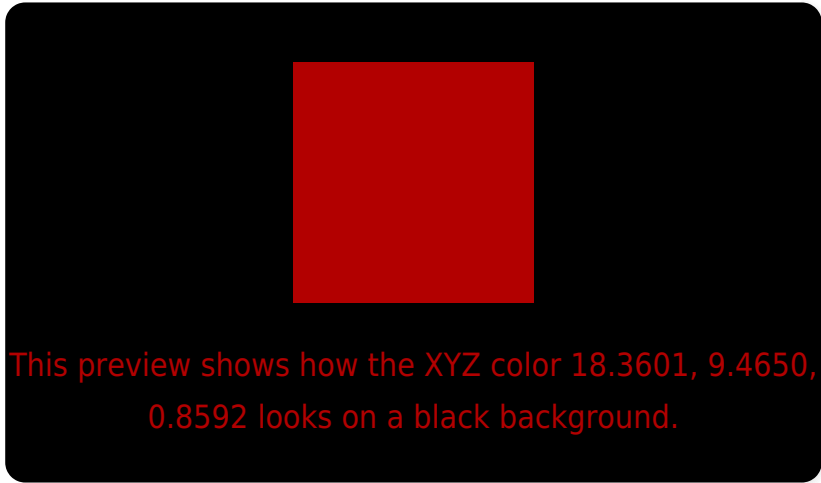
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3601, 9.4650, 0.8592

Background



This preview shows how black text looks on a background with the XYZ color 18.3601, 9.4650, 0.8592.



This preview shows how white text looks on a background with the XYZ color 18.3601, 9.4650,

0.8592.

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

18.3601, 9.4650, 0.8592

Protanopia

9.1776, 10.1409, 2.2843

Deuteranopia

10.0586, 10.0077, 1.4015



Tritanopia

18.3319, 9.7480, 0.9154

Trichromacy



Original Color

18.3601, 9.4650, 0.8592

Protanomaly

10.6026, 7.6279, 1.3654

Deuteranomaly

11.6357, 7.9567, 0.9225

Tritanomaly

18.2511, 9.5865, 0.8884

Monochromacy



Original Color

18.3601, 9.4650, 0.8592

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.8978, 3.8562, 1.9469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3601, 9.4650, 0.8592 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 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(178, 0, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 18.3601, 9.4650, 0.8592 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, 0) }
```


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

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

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, 0) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 18.3601, 9.4650, 0.8592 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, 0) }
```

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

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