

Converting Colors

XYZ(18.5612, 9.5589, 1.3143)

Have a look what the booklet for
XYZ(18.5612, 9.5589, 1.3143)
contains.

XYZ(18.6766, 9.6182, 1.3241)	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(18.6766, 9.6182,
1.3241)**

Conversions

Conversions Part 1

Format	Color
Hex	B3000F
RGB	179, 0, 15
RGB Percent	70%, 0%, 6%
CMY	0.2980, 0.9999, 0.9412
CMYK	0.00, 1.00, 0.92, 0.30
HSL	355°, 100%, 35%
HSV	355°, 100%, 70%
XYZ	18.6766, 9.6182, 1.3241
YIQ	55.2310, 101.8690, 42.6130

Conversions

Conversions Part 2

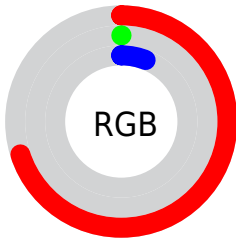
Format	Color
R_{YB}	179, 0, 15
Decimal	11730959
CIE _{Lab}	37.15, 61.60, 45.64
CIE _{LCh}	37, 76.665, 36.538
Yxy	9.6182, 0.6306, 0.3247
Android (android.graphics.Color)	4289921039 (0xFFB3000F)
YUV	55.2310, -19.8339, 108.5454
Hunter-Lab	31.0132, 53.2221, 19.1779

Details

The XYZ color **18.6766, 9.6182, 1.3241** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **22.8240, 34.9215, 40.6743**, and the grayscale version is **3.6782, 3.8697, 4.2141**.

A 20% lighter version of the original color is **40.6004, 24.9836, 7.0973**, and **7.2025, 3.7130, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **18.6762, 9.6180, 1.3230**, and if you desaturate by 10%, it is **19.0581, 10.1151, 2.2724**.

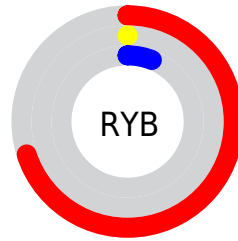
Distribution



Red (70%)

Green (0%)

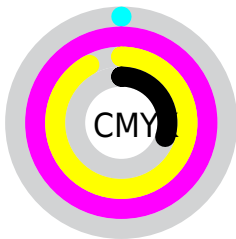
Blue (6%)



Red (70%)

Yellow (0%)

Blue (6%)

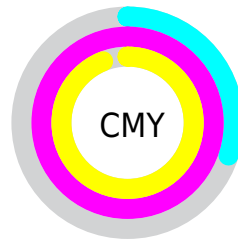


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (30%)



Cyan (30%)


Magenta (100%)

Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6766, 9.6182, 1.3241 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 18.6766, 9.6182, 1.3241 by changing the saturation by 10% instead.

 18.6766, 9.6182,
1.3241


 18.6766, 9.6182,
1.3241


 237.6301,
187.9250, 110.7961


 11.5394, 5.1466,
0.0814


 40.7080, 25.0749,
7.0933


 6.5009, 2.3335,
0.0000


 56.3330, 36.8287,
12.6990


 3.1955, 0.7914,
0.0000

 75.5180, 51.7786,
20.6768

 1.2580, 0.0000,
0.0000

 98.6283, 70.3092,
31.4452


 0.1514, 0.0000,
0.0000


 126.0293, 92.8047,
45.4228

 0.0000, 0.0000,
0.0000


 158.0864,


119.6496, 63.0281


 195.1648,
151.2282, 84.6797


 18.6766, 9.6182,
1.3241


 18.6766, 9.6182,
1.3241

 18.6762, 9.6180,
1.3230

 19.0581, 10.1151,
2.2724

 19.7456, 11.0471,
3.8671

 20.8284, 12.5697,
6.2103

 22.3546, 14.7593,
9.3793

 24.3655, 17.6807,
13.4416

■ 26.8974, 21.3912,
18.4578

■ 29.9833, 25.9421,
24.4833

■ 33.6534, 31.3808,
31.5689

■ 37.9357, 37.7507,
39.7625

Harmonies

Analogous

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



21.6279, 9.6182, 7.7558



18.6766, 9.6182, 1.3241



13.3045, 9.6182, 0.0000

Triad

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



18.6766, 9.6182, 1.3241



3.0427, 9.6182, 3.1062



10.2271, 9.6182, 64.3072

Complementary

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



18.6766, 9.6182, 1.3241



22.8240, 34.9215, 40.6743

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.



5.9529, 9.6182, 57.8240



18.6766, 9.6182, 1.3241



2.7191, 9.6182, 13.7595

Square

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



18.6766, 9.6182, 1.3241



4.6940, 9.6182, 0.1713



3.5727, 9.6182, 35.2104



15.7670, 9.6182, 48.9695

Rectangle

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



18.6766, 9.6182, 1.3241



9.7074, 9.6182, 0.0000



3.5727, 9.6182, 35.2104



8.5987, 9.6182, 64.7204

Sweetspot

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



18.6768, 9.6188, 1.3242



53.3839, 45.9951, 43.2359



22.8556, 10.8431, 43.5357



11.2944, 9.4034, 8.5415



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.



18.6768, 9.6188, 1.3242



33.4160, 17.2126, 2.1957



20.8832, 14.1694, 1.6353



8.5243, 8.5164, 8.9932



13.2082, 6.8008, 0.9905



0.4250, 0.2178, 0.0809

Inverse Universe

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



18.6768, 9.6188, 1.3242



33.4160, 17.2126, 2.1957



13.4379, 13.8565, 44.6137



8.5243, 8.5164, 8.9932



13.2082, 6.8008, 0.9905



0.4250, 0.2178, 0.0809

Previews

White Background



This preview shows how the XYZ color 18.6766, 9.6182, 1.3241 looks on a white background.

Color Contrast Check

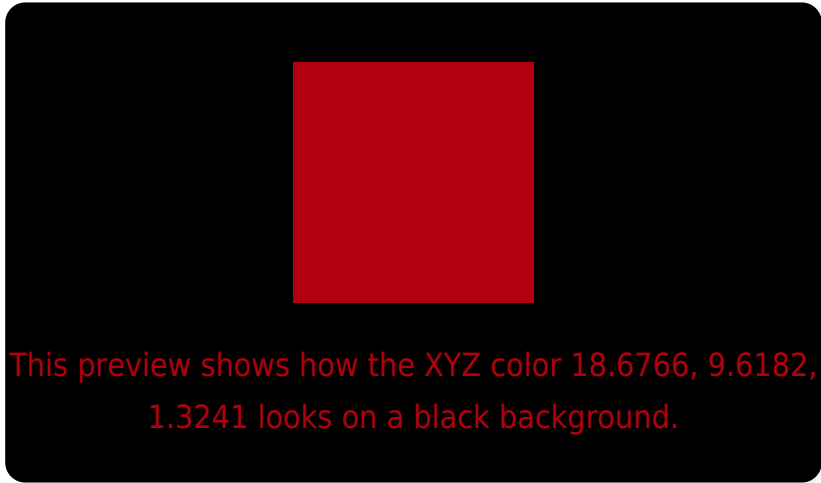
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6766, 9.6182, 1.3241

Background



This preview shows how black text looks on a background with the XYZ color 18.6766, 9.6182, 1.3241.



This preview shows how white text looks on a background with the XYZ color 18.6766, 9.6182,

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

18.6766, 9.6182, 1.3241

Protanopia

9.3552, 10.3478, 2.8006

Deuteranopia

10.2672, 10.2330, 1.4340



Tritanopia

18.5454, 9.8356, 0.9210

Trichromacy



Original Color

18.6766, 9.6182, 1.3241

Protanomaly

10.7418, 7.7634, 1.8520

Deuteranomaly

11.8748, 8.1466, 1.0902

Tritanomaly

18.4960, 9.6930, 1.0397

Monochromacy



Original Color

18.6766, 9.6182, 1.3241

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.2396, 4.0646, 2.4632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6766, 9.6182, 1.3241 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(179, 0, 15)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 15)  
}
```

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(179, 0, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 15) }
```

Border

The CSS property to change the border of an element to XYZ 18.6766, 9.6182, 1.3241 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(179, 0, 15) }
```


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

```
.border{ border-color:rgb(179, 0, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 0, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 15);  
box-shadow:4px 4px 4px 4px rgb(179, 0, 15)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.6766, 9.6182, 1.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 15) }
```

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

```
.background{ background-color: rgb(179, 0,  
15) }
```

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