

Converting Colors

XYZ(18.5407, 9.5505, 1.2102)

Have a look what the booklet for
XYZ(18.5407, 9.5505, 1.2102)
contains.

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Color

**XYZ(18.4265, 9.4915,
1.2087)**

Conversions

Conversions Part 1

Format	Color
Hex	B2000C
RGB	178, 0, 12
RGB Percent	70%, 0%, 5%
CMY	0.3020, 0.9999, 0.9529
CMYK	0.00, 1.00, 0.93, 0.30
HSL	356°, 100%, 35%
HSV	356°, 100%, 70%
XYZ	18.4265, 9.4915, 1.2087
YIQ	54.5900, 102.2360, 41.4680

Conversions

Conversions Part 2

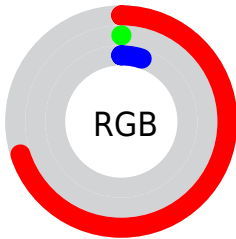
Format	Color
R_{YB}	178, 0, 12
Decimal	11665420
CIE Lab	36.91, 61.30, 46.62
CIE LCh	37, 77.015, 37.249
Yxy	9.4915, 0.6326, 0.3259
Android (android.graphics.Color)	4289855500 (0xFFB2000C)
YUV	54.5900, -20.9969, 108.2306
Hunter-Lab	30.8083, 52.8468, 19.2397

Details

The XYZ color **18.4265, 9.4915, 1.2087** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **22.8062, 34.5950, 41.5652**, and the grayscale version is **3.5982, 3.7856, 4.1225**.

A 20% lighter version of the original color is **40.1777, 24.7747, 6.6674**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.4262, 9.4914, 1.2078**, and if you desaturate by 10%, it is **18.7905, 9.9788, 2.0726**.

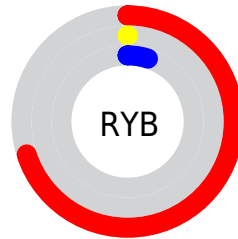
Distribution



Red (70%)

Green (0%)

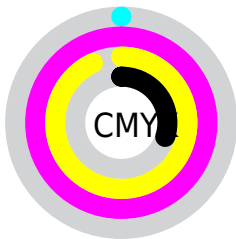
Blue (5%)



Red (70%)

Yellow (0%)

Blue (5%)

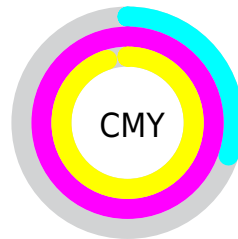


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (30%)



Cyan (30%)

Magenta (100%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4265, 9.4915, 1.2087 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 18.4265, 9.4915, 1.2087 by changing the saturation by 10% instead.


 18.4265, 9.4915,
1.2087


 18.4265, 9.4915,
1.2087


 236.2635,
187.0033, 108.5365


 11.3582, 5.0631,
0.0000


 40.2872, 24.8346,
6.7354


 6.3773, 2.2844,
0.0000


 55.8102, 36.5181,
12.1697


 3.1187, 0.7654,
0.0000

 74.8821, 51.3887,
19.9427

 1.2168, 0.0000,
0.0000

 97.8684, 69.8309,
30.4729


 0.1196, 0.0000,
0.0000


 125.1343, 92.2291,
44.1788


 0.0000, 0.0000,
0.0000


 157.0452,


118.9676, 61.4790


 193.9665,
150.4309, 82.7921


 18.4265, 9.4915,
1.2087


 18.4265, 9.4915,
1.2087


 18.4262, 9.4914,
1.2078

 18.7905, 9.9788,
2.0726

 19.4574, 10.8954,
3.5810

 20.5170, 12.3961,
5.8413

 22.0178, 14.5566,
8.9345

 24.0010, 17.4410,
12.9312

■ 26.5032, 21.1060,
17.8945

■ 29.5574, 25.6026,
23.8817

■ 33.1940, 30.9776,
30.9457

■ 37.4410, 37.2741,
39.1359

Harmonies

Analogous

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



21.4630, 9.4915, 7.3714



18.4265, 9.4915, 1.2087



13.0372, 9.4915, 0.0000

Triad

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



18.4265, 9.4915, 1.2087



2.9456, 9.4915, 3.1577



10.2244, 9.4915, 64.1102

Complementary

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



18.4265, 9.4915, 1.2087



22.8062, 34.5950, 41.5652

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.



5.9286, 9.4915, 58.1371



18.4265, 9.4915, 1.2087



2.6533, 9.4915, 14.0014

Square

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



18.4265, 9.4915, 1.2087



4.5434, 9.4915, 0.1636



3.5269, 9.4915, 35.6498



15.7605, 9.4915, 48.3042

Rectangle

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



18.4265, 9.4915, 1.2087



9.4672, 9.4915, 0.0000



3.5269, 9.4915, 35.6498



8.5898, 9.4915, 64.7166

Sweetspot

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



18.4267, 9.4921, 1.2088



53.2780, 45.9527, 42.6781



23.1750, 11.0193, 43.0248



11.2695, 9.3935, 8.4105



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.



18.4267, 9.4921, 1.2088



33.3856, 17.2004, 2.0355



20.8212, 14.3871, 1.6804



8.5188, 8.5142, 8.9643



13.1933, 6.7949, 0.9117



0.4227, 0.2168, 0.0688

Inverse Universe

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



18.4267, 9.4921, 1.2088



33.3856, 17.2004, 2.0355



12.9710, 13.0840, 43.9611



8.5188, 8.5142, 8.9643



13.1933, 6.7949, 0.9117



0.4227, 0.2168, 0.0688

Previews

White Background



This preview shows how the XYZ color 18.4265, 9.4915, 1.2087 looks on a white background.

Color Contrast Check

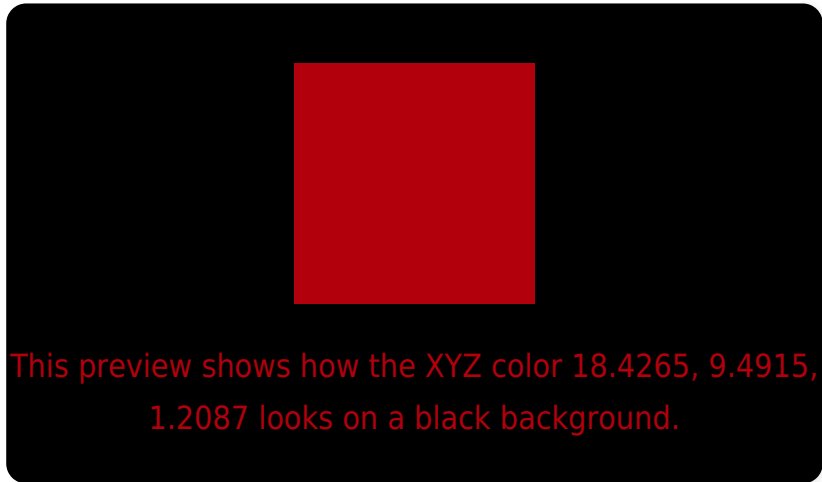
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4265, 9.4915, 1.2087

Background



This preview shows how black text looks on a background with the XYZ color 18.4265, 9.4915, 1.2087.



This preview shows how white text looks on a background with the XYZ color 18.4265, 9.4915,

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

18.4265, 9.4915, 1.2087

Protanopia

9.2326, 10.1629, 2.5736

Deuteranopia

10.0586, 10.0077, 1.4015



Tritanopia

18.3168, 9.7177, 0.9103

Trichromacy



Original Color

18.4265, 9.4915, 1.2087

Protanomaly

10.6612, 7.6513, 1.6740

Deuteranomaly

11.6576, 7.9655, 1.0379

Tritanomaly

18.2619, 9.5730, 1.0001

Monochromacy



Original Color

18.4265, 9.4915, 1.2087

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.2228, 4.0579, 2.3747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4265, 9.4915, 1.2087 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 12) }
```

Border

The CSS property to change the border of an element to XYZ 18.4265, 9.4915, 1.2087 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, 12) }
```


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

```
.border{ border-color:rgb(178, 0, 12) }
```

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, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4265, 9.4915, 1.2087 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, 12) }
```

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

```
.background{ background-color: rgb(178, 0,  
12) }
```

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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