

Converting Colors

XYZ(18.8324, 9.6000, 5.7833)

Have a look what the booklet for
XYZ(18.8324, 9.6000, 5.7833)
contains.

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Color

**XYZ(18.8299, 9.6003,
5.7111)**

Conversions

Conversions Part 1

Format	Color
Hex	B00040
RGB	176, 0, 64
RGB Percent	69%, 0%, 25%
CMY	0.3098, 0.9999, 0.7490
CMYK	0.00, 1.00, 0.64, 0.31
HSL	338°, 100%, 35%
HSV	338°, 100%, 69%
XYZ	18.8299, 9.6003, 5.7111
YIQ	59.9200, 84.3520, 57.2160

Conversions

Conversions Part 2

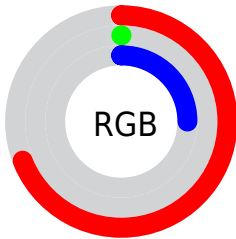
Format	Color
R_{YB}	176, 0, 64
Decimal	11534400
CIE Lab	37.12, 62.53, 16.71
CIE LCh	37, 64.728, 14.963
Yxy	9.6003, 0.5515, 0.2812
Android (android.graphics.Color)	4289724480 (0xFFB00040)
YUV	59.9200, 2.0114, 101.8022
Hunter-Lab	30.9844, 54.2559, 10.7606

Details

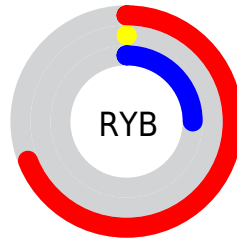
The XYZ color **18.8299, 9.6003, 5.7111** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.4520, 32.2212, 20.5850**, and the grayscale version is **4.2753, 4.4979, 4.8982**.

A 20% lighter version of the original color is **40.9978, 25.0622, 17.7156**, and **7.2249, 3.7067, 1.1453** is the 20% darker color. If you saturate the color by 10%, you get **18.8292, 9.6000, 5.7081**, and if you desaturate by 10%, it is **19.3917, 10.1616, 7.6323**.

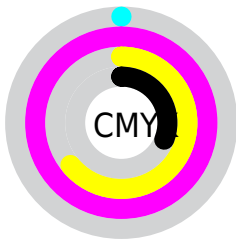
Distribution



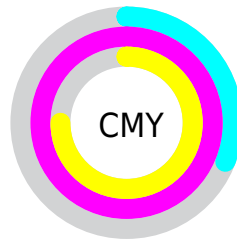
- Red (69%)
- Green (0%)
- Blue (25%)



- Red (69%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (31%)




- Cyan (31%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8299, 9.6003, 5.7111 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 18.8299, 9.6003, 5.7111 by changing the saturation by 10% instead.


 18.8299, 9.6003,
5.7111


 18.8299, 9.6003,
5.7111


238.4643,
187.7951, 165.6799


 11.6507, 5.1348,
2.6043


 40.9656, 25.0409,
17.7954


 6.5768, 2.3265,
0.8947


 56.6528, 36.7848,
27.6101


 3.2428, 0.7877,
0.0000

 75.9067, 51.7236,
40.4977

 1.2834, 0.0000,
0.0000

 99.0926, 70.2417,
56.8769

 0.1708, 0.0000,
0.0000

 126.5760, 92.7235,
77.1661

 0.0000, 0.0000,
0.0000

 158.7222,

119.5534, 101.7840

195.8965,
151.1158, 131.1491

■ 18.8299, 9.6003,
5.7111

■ 18.8299, 9.6003,
5.7111

■ 18.8292, 9.6000,
5.7081

■ 19.3917, 10.1616,
7.6323

■ 20.2083, 11.1242,
9.9718

■ 21.3558, 12.6353,
12.7713

■ 22.8716, 14.7645,
16.0582

■ 24.7874, 17.5710,
19.8576

■ 27.1316, 21.1067,
24.1921

■ 29.9297, 25.4189,
29.0833

■ 33.2051, 30.5504,
34.5510

■ 36.9798, 36.5411,
40.6145

Harmonies

Analogous

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



18.8257, 9.6003, 17.3227



18.8299, 9.6003, 5.7111



15.7694, 9.6003, 1.3108

Triad

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



18.8299, 9.6003, 5.7111



4.6757, 9.6003, 1.3058



7.2605, 9.6003, 49.7956

Complementary

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



18.8299, 9.6003, 5.7111



18.4520, 32.2212, 20.5850

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.



4.6711, 9.6003, 35.2414



18.8299, 9.6003, 5.7111



3.5055, 9.6003, 5.6926

Square

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



18.8299, 9.6003, 5.7111



7.2689, 9.6003, 0.1020



3.5041, 9.6003, 17.2838



11.2725, 9.6003, 49.8166

Rectangle

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



18.8299, 9.6003, 5.7111



12.8077, 9.6003, 0.3738



3.5041, 9.6003, 17.2838



6.2257, 9.6003, 46.1410

Sweetspot

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



18.8301, 9.6009, 5.7112



53.9855, 45.6395, 52.2394



14.4526, 6.5458, 41.5757



11.2294, 9.1632, 10.5089



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.



18.8301, 9.6009, 5.7112



34.0508, 17.3716, 9.8291



18.2208, 9.8627, 0.9443



8.6198, 8.5546, 9.4963



13.8414, 7.0541, 4.3248



0.4641, 0.2334, 0.2868

Inverse Universe

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



18.8301, 9.6009, 5.7112



34.0508, 17.3716, 9.8291



19.1524, 25.7660, 45.0379



8.6198, 8.5546, 9.4963



13.8414, 7.0541, 4.3248



0.4641, 0.2334, 0.2868

Previews

White Background



This preview shows how the XYZ color 18.8299, 9.6003, 5.7111 looks on a white background.

Color Contrast Check

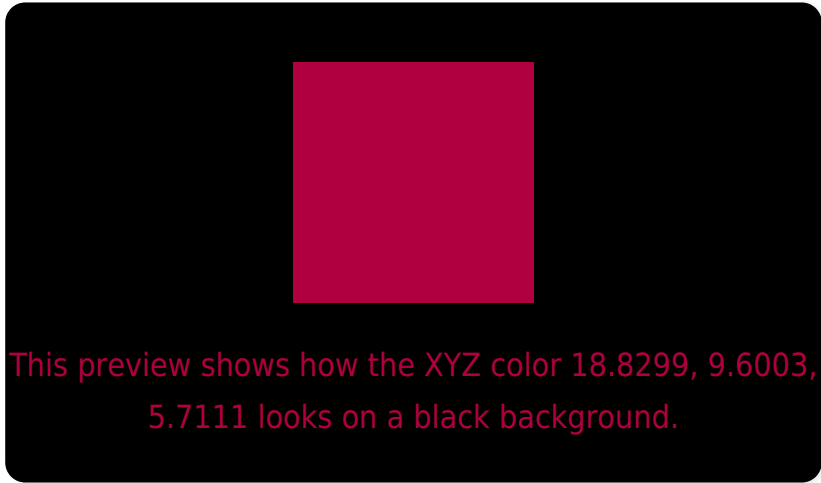
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8299, 9.6003, 5.7111

Background



This preview shows how black text looks on a background with the XYZ color 18.8299, 9.6003, 5.7111.



This preview shows how white text looks on a background with the XYZ color 18.8299, 9.6003,

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

18.8299, 9.6003, 5.7111

Protanopia

9.9909, 10.3446, 12.0598

Deuteranopia

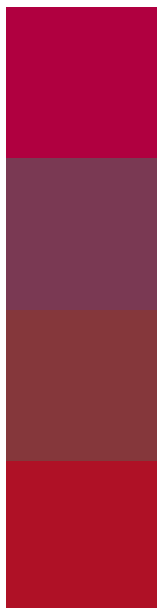
10.3483, 10.1923, 5.1633



Tritanopia

18.2032, 9.9146, 1.7649

Trichromacy



Original Color

18.8299, 9.6003, 5.7111

Protanomaly

11.0505, 7.6884, 9.0852

Deuteranomaly

11.8285, 8.0347, 5.0651

Tritanomaly

18.2295, 9.6548, 2.7365

Monochromacy



Original Color

18.8299, 9.6003, 5.7111

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.0149, 4.5479, 4.9230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8299, 9.6003, 5.7111 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 64) }
```

Border

The CSS property to change the border of an element to XYZ 18.8299, 9.6003, 5.7111 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, 64) }
```


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

```
.border{ border-color:rgb(176, 0, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8299, 9.6003, 5.7111 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, 64) }
```

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

```
.background{ background-color: rgb(176, 0,  
64) }
```

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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