

Converting Colors

XYZ(18.8236, 9.6636, 2.7000)

Have a look what the booklet for
XYZ(18.8236, 9.6636, 2.7000)
contains.

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Color

**XYZ(18.7099, 9.6049,
2.7015)**

Conversions

Conversions Part 1

Format	Color
Hex	B20026
RGB	178, 0, 38
RGB Percent	70%, 0%, 15%
CMY	0.3020, 0.9999, 0.8510
CMYK	0.00, 1.00, 0.79, 0.30
HSL	347°, 100%, 35%
HSV	347°, 100%, 70%
XYZ	18.7099, 9.6049, 2.7015
YIQ	57.5540, 93.8900, 49.5540

Conversions

Conversions Part 2

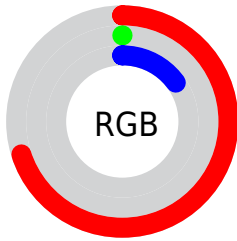
Format	Color
R_{YB}	178, 0, 38
Decimal	11665446
CIE Lab	37.12, 61.88, 33.26
CIE LCh	37, 70.249, 28.259
Yxy	9.6049, 0.6032, 0.3097
Android (android.graphics.Color)	4289855526 (0xFFB20026)
YUV	57.5540, -9.6401, 105.6311
Hunter-Lab	30.9918, 53.5258, 16.5260

Details

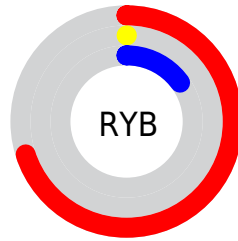
The XYZ color **18.7099, 9.6049, 2.7015** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **20.6565, 33.7350, 30.2457**, and the grayscale version is **3.9681, 4.1747, 4.5463**.

A 20% lighter version of the original color is **40.7056, 25.0626, 10.8758**, and **7.2025, 3.7130, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **18.7094, 9.6047, 2.6994**, and if you desaturate by 10%, it is **19.1934, 10.1400, 4.1947**.

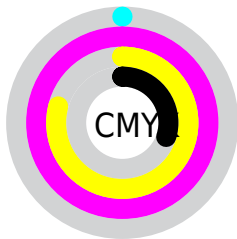
Distribution



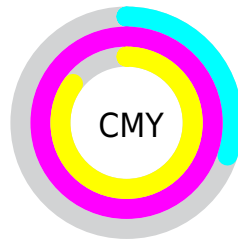
- Red (70%)
- Green (0%)
- Blue (15%)



- Red (70%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7099, 9.6049, 2.7015 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 18.7099, 9.6049, 2.7015 by changing the saturation by 10% instead.


 18.7099, 9.6049,
2.7015


 18.7099, 9.6049,
2.7015


237.8115,
187.8285, 132.4630


 11.5636, 5.1378,
0.9442


 40.7640, 25.0497,
10.8825


 6.5173, 2.3283,
0.0000


 56.4025, 36.7961,
18.1435

 3.2058, 0.7886,
0.0000

 75.6025, 51.7378,
28.0761

 1.2635, 0.0000,
0.0000

 98.7292, 70.2591,
41.0989


 0.1556, 0.0000,
0.0000


 126.1482, 92.7444,
57.6304


 0.0000, 0.0000,
0.0000


 158.2246,


119.5781, 78.0893


 195.3240,
151.1447, 102.8940


 18.7099, 9.6049,
2.7015


 18.7099, 9.6049,
2.7015


 18.7094, 9.6047,
2.6994

 19.1934, 10.1400,
4.1947

 19.9632, 11.0979,
6.2449

 21.1010, 12.6299,
8.9165

 22.6487, 14.8092,
12.2567

 24.6423, 17.6978,
16.3079

■ 27.1138, 21.3506,
21.1091

■ 30.0921, 25.8169,
26.6960

■ 33.6038, 31.1420,
33.1022

■ 37.6736, 37.3678,
40.3593

Harmonies

Analogous

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



20.3660, 9.6049, 11.2063



18.7099, 9.6049, 2.7015



14.3011, 9.6049, 0.2981

Triad

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



18.7099, 9.6049, 2.7015



3.6858, 9.6049, 2.2198



8.8763, 9.6049, 57.6606

Complementary

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



18.7099, 9.6049, 2.7015



20.6565, 33.7350, 30.2457

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.



5.3840, 9.6049, 47.1723



18.7099, 9.6049, 2.7015



3.0430, 9.6049, 9.7440

Square

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



18.7099, 9.6049, 2.7015



5.7009, 9.6049, 0.1489



3.5481, 9.6049, 26.4890



13.7131, 9.6049, 49.1962

Rectangle

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



18.7099, 9.6049, 2.7015



10.9478, 9.6049, 0.0000



3.5481, 9.6049, 26.4890



7.5240, 9.6049, 56.1376

Sweetspot

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



18.7101, 9.6055, 2.7016



54.2565, 46.3441, 47.8308



18.7572, 8.7419, 42.8178



11.5009, 9.4860, 9.6290



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.



18.7101, 9.6055, 2.7016



33.8601, 17.3902, 4.5341



19.5203, 11.7853, 1.2469



8.5681, 8.5340, 9.2241



13.4064, 6.8801, 2.0341



0.4431, 0.2250, 0.1763

Inverse Universe

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



18.7101, 9.6055, 2.7016



33.8601, 17.3902, 4.5341



15.7001, 18.5422, 44.8706



8.5681, 8.5340, 9.2241



13.4064, 6.8801, 2.0341



0.4431, 0.2250, 0.1763

Previews

White Background



This preview shows how the XYZ color 18.7099, 9.6049, 2.7015 looks on a white background.

Color Contrast Check

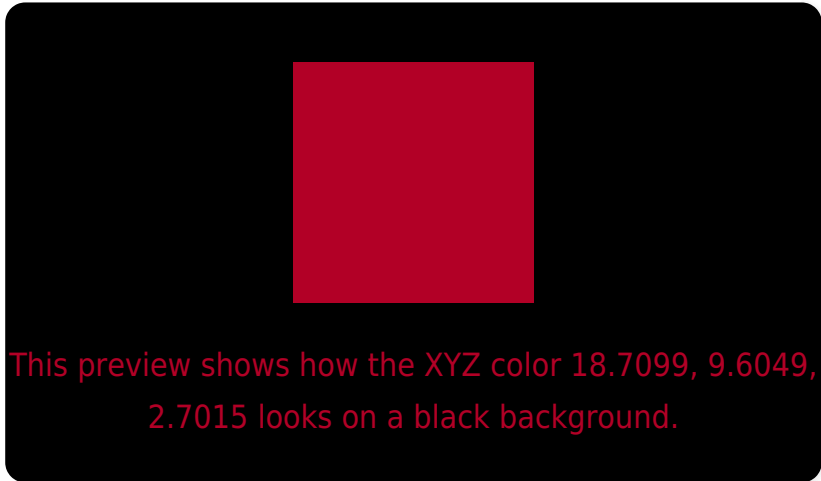
Large Text (above 18pt) WCAG AA ✓ Pass

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

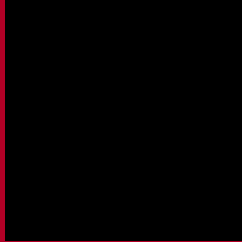
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7099, 9.6049, 2.7015

Background



This preview shows how black text looks on a background with the XYZ color 18.7099, 9.6049, 2.7015.



This preview shows how white text looks on a background with the XYZ color 18.7099, 9.6049,

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

18.7099, 9.6049, 2.7015

Protanopia

9.4569, 10.2145, 5.4761

Deuteranopia

10.3243, 10.2409, 2.4098



Tritanopia

18.5728, 9.8465, 1.0653

Trichromacy



Original Color

18.7099, 9.6049, 2.7015

Protanomaly

10.8131, 7.6773, 4.0439

Deuteranomaly

11.9171, 8.1445, 2.1722

Tritanomaly

18.5698, 9.7225, 1.4282

Monochromacy



Original Color

18.7099, 9.6049, 2.7015

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.7386, 4.3869, 3.6236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7099, 9.6049, 2.7015 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 38) }
```

Border

The CSS property to change the border of an element to XYZ 18.7099, 9.6049, 2.7015 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, 38) }
```


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

```
.border{ border-color:rgb(178, 0, 38) }
```

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, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7099, 9.6049, 2.7015 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, 38) }
```

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

```
.background{ background-color: rgb(178, 0,  
38) }
```

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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