

Converting Colors

XYZ(18.6085, 9.6063, 3.1417)

Have a look what the booklet for
XYZ(18.6085, 9.6063, 3.1417)
contains.

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Color

**XYZ(18.6109, 9.6084,
3.1592)**

Conversions

Conversions Part 1

Format	Color
Hex	B1042B
RGB	177, 4, 43
RGB Percent	69%, 2%, 17%
CMY	0.3059, 0.9842, 0.8314
CMYK	0.00, 0.98, 0.76, 0.31
HSL	346°, 96%, 35%
HSV	346°, 98%, 69%
XYZ	18.6109, 9.6084, 3.1592
YIQ	60.1730, 90.5890, 48.8050

Conversions

Conversions Part 2

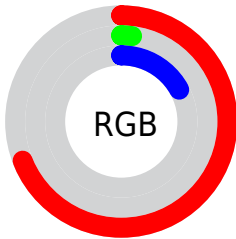
Format	Color
RYB	177, 4, 43
Decimal	11600939
CIELab	37.13, 61.33, 30.15
CIELCh	37, 68.343, 26.175
Yxy	9.6084, 0.5931, 0.3062
Android (android.graphics.Color)	4289791019 (0xFFB1042B)
YUV	60.1730, -8.4663, 102.4573
Hunter-Lab	30.9974, 52.9262, 15.6555

Details

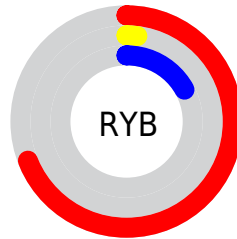
The XYZ color **18.6109, 9.6084, 3.1592** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **20.3623, 33.3059, 29.4127**, and the grayscale version is **4.3242, 4.5494, 4.9543**.

A 20% lighter version of the original color is **40.6391, 25.1147, 11.9382**, and **7.2025, 3.7130, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **18.5122, 9.4994, 2.8542**, and if you desaturate by 10%, it is **19.1445, 10.2033, 4.7938**.

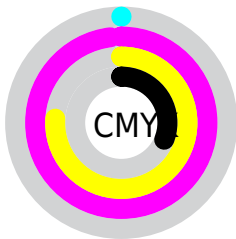
Distribution



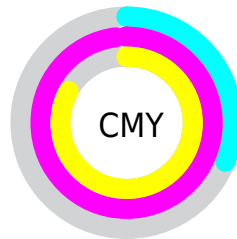
- Red (69%)
- Green (2%)
- Blue (17%)



- Red (69%)
- Yellow (2%)
- Blue (17%)



- Cyan (0%)
- Magenta (98%)
- Yellow (76%)
- Black (31%)





- Cyan (31%)
- Magenta (98%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6109, 9.6084, 3.1592 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 18.6109, 9.6084, 3.1592 by changing the saturation by 10% instead.


 18.6109, 9.6084,
3.1592


 18.6109, 9.6084,
3.1592


237.2718,
187.8539, 138.3631


 11.4918, 5.1401,
1.1765


 40.5975, 25.0563,
12.0188


 6.4684, 2.3297,
0.0000


 56.1958, 36.8047,
19.7328


 3.1753, 0.7894,
0.0000

 75.3511, 51.7485,
30.1943

 1.2471, 0.0000,
0.0000

 98.4289, 70.2723,
43.8218

 0.1431, 0.0000,
0.0000

 125.7946, 92.7603,
61.0339

 0.0000, 0.0000,
0.0000

 157.8133,

119.5969, 82.2491

194.8506,
151.1667, 107.8860

18.6109, 9.6084,
3.1592

18.6109, 9.6084,
3.1592

18.5122, 9.4994,
2.8542

19.1445, 10.2033,
4.7938

19.9901, 11.2743,
6.9875

21.2067, 12.9288,
9.7936

22.8336, 15.2356,
13.2555

24.9051, 18.2542,
17.4125

■ 27.4517, 22.0370,
22.3009

■ 30.5010, 26.6317,
27.9540

■ 34.0787, 32.0819,
34.4033

■ 38.2085, 38.4282,
41.6784

Harmonies

Analogous

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



19.9607, 9.6084, 12.1030



18.6109, 9.6084, 3.1592



14.4818, 9.6084, 0.5063

Triad

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



18.6109, 9.6084, 3.1592



3.8850, 9.6084, 2.0912



8.5979, 9.6084, 55.5337

Complementary

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



18.6109, 9.6084, 3.1592



20.3623, 33.3059, 29.4127

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.



5.2954, 9.6084, 44.4621



18.6109, 9.6084, 3.1592



3.1626, 9.6084, 8.9763

Square

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



18.6109, 9.6084, 3.1592



5.9798, 9.6084, 0.1876



3.5845, 9.6084, 24.5634



13.2348, 9.6084, 48.6877

Rectangle

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



18.6109, 9.6084, 3.1592



11.2289, 9.6084, 0.0000



3.5845, 9.6084, 24.5634



7.3148, 9.6084, 53.6499

Sweetspot

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



18.6111, 9.6090, 3.1593



53.5900, 46.1271, 48.1662



18.2372, 8.5499, 42.2836



11.1116, 9.2387, 9.5104



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.



18.6111, 9.6090, 3.1593



33.0860, 16.9856, 4.7485



19.3008, 11.6506, 1.3474



8.5722, 8.5356, 9.2455



13.4324, 6.8905, 2.1711



0.4448, 0.2257, 0.1851

Inverse Universe

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



18.6111, 9.6090, 3.1593



33.0860, 16.9856, 4.7485



16.0858, 19.3994, 44.4912



8.5722, 8.5356, 9.2455



13.4324, 6.8905, 2.1711



0.4448, 0.2257, 0.1851

Previews

White Background



This preview shows how the XYZ color 18.6109, 9.6084, 3.1592 looks on a white background.

Color Contrast Check

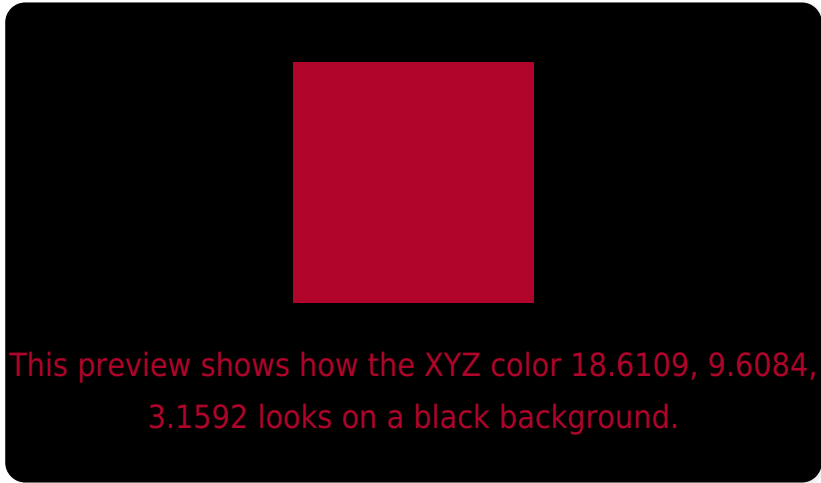
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6109, 9.6084, 3.1592

Background



This preview shows how black text looks on a background with the XYZ color 18.6109, 9.6084, 3.1592.



This preview shows how white text looks on a background with the XYZ color 18.6109, 9.6084,

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

18.6109, 9.6084, 3.1592

Protanopia

9.5401, 10.2354, 6.4738

Deuteranopia

10.2051, 10.0515, 2.8411



Tritanopia

18.1812, 9.6869, 1.2281

Trichromacy



Original Color

18.6109, 9.6084, 3.1592

Protanomaly

10.9067, 7.8590, 4.8130

Deuteranomaly

11.9014, 8.1962, 2.7050

Tritanomaly

18.2031, 9.5798, 1.7003

Monochromacy



Original Color

18.6109, 9.6084, 3.1592

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.0182, 4.6675, 4.0210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6109, 9.6084, 3.1592 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(177, 4, 43)` looks like.

```
.text, #text, p{  
    color:rgb(177, 4, 43)  
}
```

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(177, 4, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 4, 43) }
```

Border

The CSS property to change the border of an element to XYZ 18.6109, 9.6084, 3.1592 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(177, 4, 43) }
```


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

```
.border{ border-color:rgb(177, 4, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 4, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 4, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 4, 43);  
box-shadow:4px 4px 4px 4px rgb(177, 4, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.6109, 9.6084, 3.1592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 4, 43) }
```

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

```
.background{ background-color: rgb(177, 4,  
43) }
```

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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