

Converting Colors

XYZ(18.8588, 9.6777, 2.8854)

Have a look what the booklet for
XYZ(18.8588, 9.6777, 2.8854)
contains.

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Color

**XYZ(18.7431, 9.6182,
2.8761)**

Conversions

Conversions Part 1

Format	Color
Hex	B20028
RGB	178, 0, 40
RGB Percent	70%, 0%, 16%
CMY	0.3020, 0.9999, 0.8431
CMYK	0.00, 1.00, 0.78, 0.30
HSL	347°, 100%, 35%
HSV	347°, 100%, 70%
XYZ	18.7431, 9.6182, 2.8761
YIQ	57.7820, 93.2480, 50.1760

Conversions

Conversions Part 2

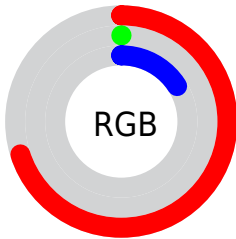
Format	Color
R_{YB}	178, 0, 40
Decimal	11665448
CIE _{Lab}	37.15, 61.94, 32.07
CIE _{LCh}	37, 69.753, 27.374
Yxy	9.6182, 0.6000, 0.3079
Android (android.graphics.Color)	4289855528 (0xFFB20028)
YUV	57.7820, -8.7665, 105.4312
Hunter-Lab	31.0132, 53.6048, 16.2108

Details

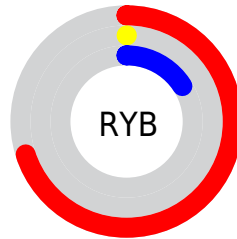
The XYZ color **18.7431, 9.6182, 2.8761** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **20.5104, 33.6766, 29.4761**, and the grayscale version is **3.9975, 4.2057, 4.5800**.

A 20% lighter version of the original color is **40.7840, 25.0940, 11.2884**, and **7.2025, 3.7130, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **18.7425, 9.6179, 2.8739**, and if you desaturate by 10%, it is **19.2348, 10.1566, 4.4124**.

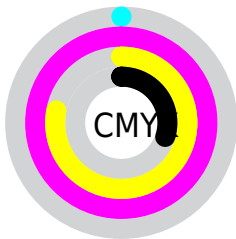
Distribution



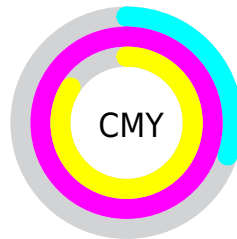
- Red (70%)
- Green (0%)
- Blue (16%)



- Red (70%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (30%)




- Cyan (30%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7431, 9.6182, 2.8761 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 18.7431, 9.6182, 2.8761 by changing the saturation by 10% instead.


 18.7431, 9.6182,
2.8761


 18.7431, 9.6182,
2.8761


237.9923,
187.9250, 134.7666


 11.5877, 5.1466,
1.0317


 40.8198, 25.0749,
11.3211


 6.5338, 2.3335,
0.0000


 56.4718, 36.8287,
18.7589


 3.2160, 0.7914,
0.0000

 75.6867, 51.7786,
28.8982

 1.2690, 0.0000,
0.0000

 98.8298, 70.3092,
42.1575


 0.1598, 0.0000,
0.0000


 126.2666, 92.8047,
58.9555


 0.0000, 0.0000,
0.0000

 158.3624,


119.6496, 79.7107


 195.4825,
151.2282, 104.8415


 18.7431, 9.6182,
2.8761


 18.7431, 9.6182,
2.8761


 18.7425, 9.6179,
2.8739

 19.2348, 10.1566,
4.4124

 20.0111, 11.1171,
6.4970

 21.1534, 12.6509,
9.1919

 22.7031, 14.8310,
12.5427

 24.6960, 17.7194,
16.5901

■ 27.1637, 21.3708,
21.3715

■ 30.1350, 25.8343,
26.9215

■ 33.6363, 31.1553,
33.2724

■ 37.6919, 37.3754,
40.4548

Harmonies

Analogous

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



20.2781, 9.6182, 11.6071



18.7431, 9.6182, 2.8761



14.4236, 9.6182, 0.3707

Triad

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



18.7431, 9.6182, 2.8761



3.7583, 9.6182, 2.1464



8.7645, 9.6182, 57.1336

Complementary

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



18.7431, 9.6182, 2.8761



20.5104, 33.6766, 29.4761

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.



5.3382, 9.6182, 46.2861



18.7431, 9.6182, 2.8761



3.0800, 9.6182, 9.4145

Square

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



18.7431, 9.6182, 2.8761



5.8147, 9.6182, 0.1473



3.5507, 9.6182, 25.7662



13.5439, 9.6182, 49.3007

Rectangle

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



18.7431, 9.6182, 2.8761



11.0914, 9.6182, 0.0000



3.5507, 9.6182, 25.7662



7.4352, 9.6182, 55.4362

Sweetspot

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



18.7433, 9.6188, 2.8762



54.3349, 46.3755, 48.2435



18.2666, 8.4890, 42.7949



11.5195, 9.4935, 9.7273



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.



18.7433, 9.6188, 2.8762



33.9173, 17.4131, 4.8357



19.3964, 11.5374, 1.2056



8.5719, 8.5355, 9.2442



13.4308, 6.8899, 2.1628



0.4447, 0.2256, 0.1846

Inverse Universe

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



18.7433, 9.6188, 2.8762



33.9173, 17.4131, 4.8357



16.0911, 19.3243, 45.0010



8.5719, 8.5355, 9.2442



13.4308, 6.8899, 2.1628



0.4447, 0.2256, 0.1846

Previews

White Background



This preview shows how the XYZ color 18.7431, 9.6182, 2.8761 looks on a white background.

Color Contrast Check

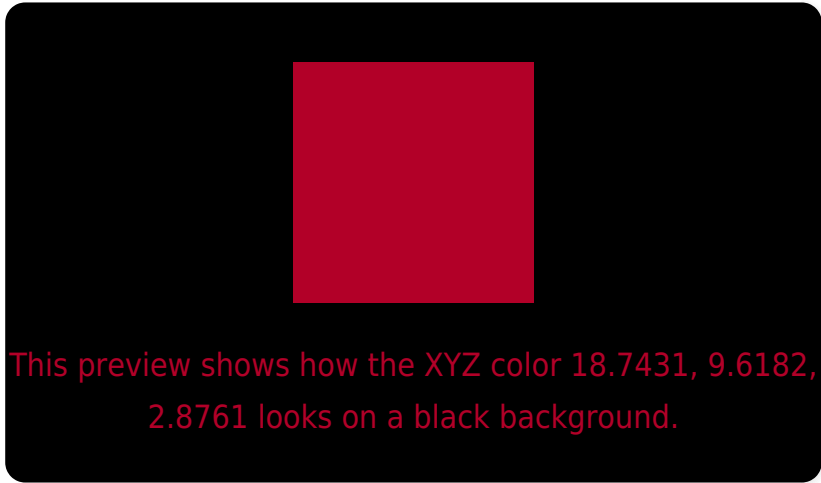
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7431, 9.6182, 2.8761

Background



This preview shows how black text looks on a background with the XYZ color 18.7431, 9.6182, 2.8761.



This preview shows how white text looks on a background with the XYZ color 18.7431, 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

18.7431, 9.6182, 2.8761

Protanopia

9.5355, 10.2459, 5.8900

Deuteranopia

10.3596, 10.2550, 2.5958



Tritanopia

18.6044, 9.8834, 1.1569

Trichromacy



Original Color

18.7431, 9.6182, 2.8761

Protanomaly

10.8581, 7.6953, 4.2812

Deuteranomaly

11.9572, 8.1605, 2.3838

Tritanomaly

18.6060, 9.7548, 1.5640

Monochromacy



Original Color

18.7431, 9.6182, 2.8761

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 18.7431, 9.6182, 2.8761 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 18.7431, 9.6182, 2.8761 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, 40) }
```


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

```
.border{ border-color:rgb(178, 0, 40) }
```

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, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7431, 9.6182, 2.8761 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, 40) }
```

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

```
.background{ background-color: rgb(178, 0,  
40) }
```

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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