

Converting Colors

XYZ(18.9109, 10.6589, 2.7416)

Have a look what the booklet for
XYZ(18.9109, 10.6589, 2.7416)
contains.

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Color

**XYZ(18.8538, 10.6192,
2.7251)**

Conversions

Conversions Part 1

Format	Color
Hex	B02424
RGB	176, 36, 36
RGB Percent	69%, 14%, 14%
CMY	0.3098, 0.8588, 0.8588
CMYK	0.00, 0.80, 0.80, 0.31
HSL	0°, 66%, 42%
HSV	0°, 80%, 69%
XYZ	18.8538, 10.6192, 2.7251
YIQ	77.8600, 83.4400, 29.6800

Conversions

Conversions Part 2

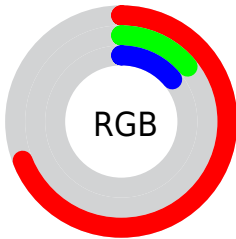
Format	Color
R _Y B	176, 36, 36
Decimal	11543588
CIE Lab	38.93, 54.83, 36.21
CIE LCh	39, 65.704, 33.440
Yxy	10.6192, 0.5856, 0.3298
Android (android.graphics.Color)	4289733668 (0xFFB02424)
YUV	77.8600, -20.6370, 86.0688
Hunter-Lab	32.5871, 46.2466, 17.8528

Details

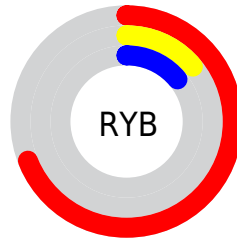
The XYZ color **18.8538, 10.6192, 2.7251** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.0872, 34.5561, 46.4745**, and the grayscale version is **7.2427, 7.6198, 8.2980**.

A 20% lighter version of the original color is **41.1223, 26.9653, 11.0201**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.2399, 9.7211, 1.5046**, and if you desaturate by 10%, it is **19.8620, 12.0948, 4.7288**.

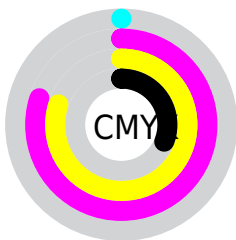
Distribution



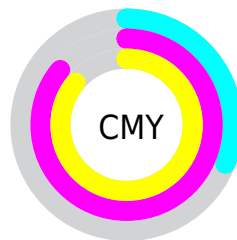
- Red (69%)
- Green (14%)
- Blue (14%)



- Red (69%)
- Yellow (14%)
- Blue (14%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (31%)



- Cyan (31%)
- Magenta (86%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8538, 10.6192, 2.7251 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 18.8538, 10.6192, 2.7251 by changing the saturation by 10% instead.

■ 18.8538, 10.6192,
2.7251

■ 18.8538, 10.6192,
2.7251

238.5941,
195.0361, 132.7785

■ 11.6681, 5.8114,
0.9560

■ 41.0057, 26.9538,
10.9422

■ 6.5887, 2.7307,
0.0000

■ 56.7026, 39.2494,
18.2274

■ 3.2502, 0.9928,
0.0000

■ 75.9672, 54.8098,
28.1883

■ 1.2874, 0.0000,
0.0000

■ 99.1649, 74.0192,
41.2435

■ 0.1738, 0.0000,
0.0000

■ 126.6611, 97.2622,
57.8116

■ 0.0000, 0.0000,
0.0000

■ 158.8212,

124.9230, 78.3111

196.0104,
157.3862, 103.1606

18.8538, 10.6192,
2.7251

18.8538, 10.6192,
2.7251

18.2399, 9.7211,
1.5046

19.8620, 12.0948,
4.7288

17.9176, 9.2495,
0.8640

21.3147, 14.2206,
7.6165

17.9045, 9.2303,
0.8380

23.2555, 17.0607,
11.4747

25.7227, 20.6709,
16.3793

28.7507, 25.1017,
22.3988

■ 32.3710, 30.3992,
29.5957

■ 36.6127, 36.6059,
38.0281

■ 41.5030, 43.7619,
47.7502

■ 47.0677, 51.9045,
58.8129

Harmonies

Analogous

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



21.0185, 10.6192, 10.1777



18.8538, 10.6192, 2.7251



14.3357, 10.6192, 0.5840

Triad

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



18.8538, 10.6192, 2.7251



4.2886, 10.6192, 3.7952



10.6059, 10.6192, 56.0577

Complementary

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



18.8538, 10.6192, 2.7251



24.0872, 34.5561, 46.4745

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.



6.7831, 10.6192, 49.2070



18.8538, 10.6192, 2.7251



3.8146, 10.6192, 13.0675

Square

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



18.8538, 10.6192, 2.7251



6.1348, 10.6192, 0.8596



4.5799, 10.6192, 30.5394



15.4678, 10.6192, 45.5113

Rectangle

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



18.8538, 10.6192, 2.7251



11.0839, 10.6192, 0.1293



4.5799, 10.6192, 30.5394



9.1634, 10.6192, 55.7313

Sweetspot

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



18.8540, 10.6198, 2.7253



55.3720, 50.2490, 47.0400



26.3717, 13.6264, 42.3142



11.5182, 10.1848, 9.2366



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.



18.8540, 10.6198, 2.7253



32.6615, 17.0164, 1.8943



23.3769, 19.6655, 4.2329



8.4964, 8.5054, 8.8464



13.1370, 6.7725, 0.6148



0.4134, 0.2131, 0.0194

Inverse Universe

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



24.0872, 34.5561, 46.4745



42.5106, 62.0664, 84.2348



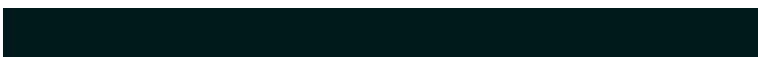
13.7181, 13.8178, 43.0181



8.7426, 9.6315, 10.9046



17.1392, 25.0787, 34.0743



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 18.8538, 10.6192, 2.7251 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 × Fail

Black Background



This preview shows how the XYZ color 18.8538, 10.6192, 2.7251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8538, 10.6192, 2.7251

Background



This preview shows how black text looks on a background with the XYZ color 18.8538, 10.6192, 2.7251.



This preview shows how white text looks on a background with the XYZ color 18.8538, 10.6192,

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

18.8538, 10.6192, 2.7251

Protanopia

10.0137, 10.9014, 4.8252

Deuteranopia

10.9907, 10.8273, 2.3748



Tritanopia

18.8538, 10.6192, 2.7251

Trichromacy



Original Color

18.8538, 10.6192, 2.7251

Protanomaly

11.8638, 9.4991, 3.7930

Deuteranomaly

12.8190, 9.7434, 2.3036

Tritanomaly

18.8538, 10.6192, 2.7251

Monochromacy



Original Color

18.8538, 10.6192, 2.7251

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.6141, 7.4913, 5.6419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8538, 10.6192, 2.7251 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, 36, 36)` looks like.

```
.text, #text, p{  
    color:rgb(176, 36, 36)  
}
```

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, 36, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 36, 36) }
```

Border

The CSS property to change the border of an element to XYZ 18.8538, 10.6192, 2.7251 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, 36, 36) }
```


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

```
.border{ border-color:rgb(176, 36, 36) }
```

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

Here you see how a box with a 4 pixel rgb(176, 36, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 36, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 36, 36);  
box-shadow:4px 4px 4px 4px rgb(176, 36,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8538, 10.6192, 2.7251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 36, 36) }
```

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

```
.background{ background-color: rgb(176, 36,  
36) }
```

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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