

Converting Colors

XYZ(20.3738, 10.4608, 2.8648)

Have a look what the booklet for
XYZ(20.3738, 10.4608, 2.8648)
contains.

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Color

**XYZ(20.3738, 10.4608,
2.8648)**

Conversions

Conversions Part 1

Format	Color
Hex	B90027
RGB	185, 0, 39
RGB Percent	73%, 0%, 15%
CMY	0.2745, 0.9999, 0.8471
CMYK	0.00, 1.00, 0.79, 0.27
HSL	347°, 100%, 36%
HSV	347°, 100%, 73%
XYZ	20.3738, 10.4608, 2.8648
YIQ	59.7610, 97.7410, 51.3490

Conversions

Conversions Part 2

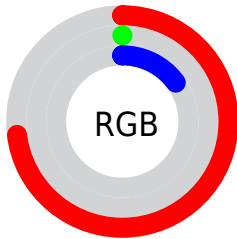
Format	Color
R_{YB}	185, 0, 39
Decimal	12124199
CIE Lab	38.66, 63.65, 34.75
CIE LCh	39, 72.515, 28.635
Yxy	10.4608, 0.6046, 0.3104
Android (android.graphics.Color)	4290314279 (0xFFB90027)
YUV	59.7610, -10.2352, 109.8346
Hunter-Lab	32.3432, 55.8413, 17.3886

Details

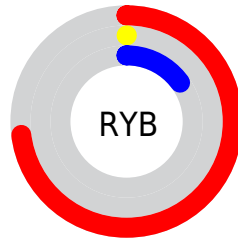
The XYZ color **20.3738, 10.4608, 2.8648** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.5403, 36.7743, 33.1183**, and the grayscale version is **4.2687, 4.4910, 4.8907**.

A 20% lighter version of the original color is **43.6096, 26.6647, 11.2358**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.3732, 10.4605, 2.8624**, and if you desaturate by 10%, it is **20.8891, 11.0270, 4.4688**.

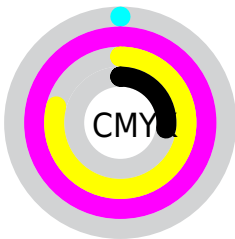
Distribution



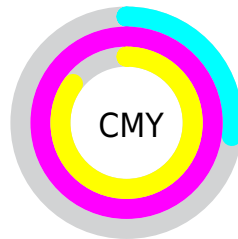
- Red (73%)
- Green (0%)
- Blue (15%)



- Red (73%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3738, 10.4608, 2.8648 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 20.3738, 10.4608, 2.8648 by changing the saturation by 10% instead.


 20.3738, 10.4608,
2.8648


 20.3738, 10.4608,
2.8648


246.7268,
193.9300, 134.6196


 12.7769, 5.7055,
1.0260


 43.5422, 26.6587,
11.2930


 7.3510, 2.6669,
0.0000


 59.8444, 38.8701,
18.7194


 3.7309, 0.9604,
0.0000

 79.7790, 54.3357,
28.8455

 1.5510, 0.0000,
0.0000

 103.7115, 73.4398,
42.0898

 0.3602, 0.0000,
0.0000

 132.0072, 96.5669,
58.8708

 0.0000, 0.0000,
0.0000

 165.0313,

124.1014, 79.6071

203.1494,
156.4276, 104.7172

20.3738, 10.4608,
2.8648

20.3738, 10.4608,
2.8648

20.3732, 10.4605,
2.8624

20.8891, 11.0270,
4.4688

21.7198, 12.0594,
6.6848

22.9531, 13.7193,
9.5833

24.6355, 16.0873,
13.2168

26.8065, 19.2317,
17.6326

■ 29.5015, 23.2131,
22.8736

■ 32.7524, 28.0857,
28.9798

■ 36.5885, 33.8993,
35.9884

■ 41.0371, 40.7000,
43.9342

Harmonies

Analogous

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



22.2352, 10.4608, 12.0279



20.3738, 10.4608, 2.8648



15.5278, 10.4608, 0.3308

Triad

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



20.3738, 10.4608, 2.8648



3.9831, 10.4608, 2.4539



9.7256, 10.4608, 63.0837

Complementary

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



20.3738, 10.4608, 2.8648



22.5403, 36.7743, 33.1183

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.



5.8887, 10.4608, 51.8244



20.3738, 10.4608, 2.8648



3.2988, 10.4608, 10.7751

Square

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



20.3738, 10.4608, 2.8648



6.1599, 10.4608, 0.2100



3.8654, 10.4608, 29.2088



15.0234, 10.4608, 53.5634

Rectangle

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



20.3738, 10.4608, 2.8648



11.8638, 10.4608, 0.0000



3.8654, 10.4608, 29.2088



8.2410, 10.4608, 61.5064

Sweetspot

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



20.3740, 10.4615, 2.8649



58.3382, 49.8169, 51.3072



20.4209, 9.5164, 46.6591



12.0295, 9.9173, 10.0407



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.3740, 10.4615, 2.8649



36.4199, 18.7074, 4.7653



21.2554, 12.8099, 1.3533



9.0800, 9.0424, 9.7685



13.8947, 7.1316, 2.0661



0.5126, 0.2605, 0.1930

Inverse Universe

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



20.3740, 10.4615, 2.8649



36.4199, 18.7074, 4.7653



17.0892, 20.1668, 48.8905



9.0800, 9.0424, 9.7685



13.8947, 7.1316, 2.0661



0.5126, 0.2605, 0.1930

Previews

White Background



This preview shows how the XYZ color 20.3738, 10.4608, 2.8648 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 20.3738, 10.4608, 2.8648 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 20.3738, 10.4608, 2.8648

Background



This preview shows how black text looks on a background with the XYZ color 20.3738, 10.4608, 2.8648.



This preview shows how white text looks on a background with the XYZ color 20.3738, 10.4608,

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

20.3738, 10.4608, 2.8648

Protanopia

10.2978, 11.1564, 5.8856

Deuteranopia

11.2300, 11.0709, 2.5223



Tritanopia

20.2148, 10.6936, 1.1135

Trichromacy



Original Color

20.3738, 10.4608, 2.8648

Protanomaly

11.7514, 8.3852, 4.2479

Deuteranomaly

12.8658, 8.7760, 2.3122

Tritanomaly

20.2173, 10.5718, 1.5053

Monochromacy



Original Color

20.3738, 10.4608, 2.8648

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.1386, 4.6374, 3.7677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3738, 10.4608, 2.8648 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(185, 0, 39)` looks like.

```
.text, #text, p{  
    color:rgb(185, 0, 39)  
}
```

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(185, 0, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 39) }
```

Border

The CSS property to change the border of an element to XYZ 20.3738, 10.4608, 2.8648 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(185, 0, 39) }
```


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

```
.border{ border-color:rgb(185, 0, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 0, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 39);  
box-shadow:4px 4px 4px 4px rgb(185, 0, 39)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3738, 10.4608, 2.8648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 0, 39) }
```

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

```
.background{ background-color: rgb(185, 0,  
39) }
```

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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