

Converting Colors

XYZ(19.6763, 10.0718, 4.1585)

Have a look what the booklet for
XYZ(19.6763, 10.0718, 4.1585)
contains.

XYZ(19.6759, 10.0717, 4.1558)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.6759, 10.0717,
4.1558)**

Conversions

Conversions Part 1

Format	Color
Hex	B50034
RGB	181, 0, 52
RGB Percent	71%, 0%, 20%
CMY	0.2902, 0.9999, 0.7961
CMYK	0.00, 1.00, 0.71, 0.29
HSL	343°, 100%, 35%
HSV	343°, 100%, 71%
XYZ	19.6759, 10.0717, 4.1558
YIQ	60.0470, 91.1840, 54.5440

Conversions

Conversions Part 2

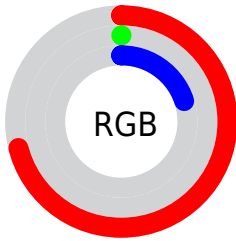
Format	Color
R_{YB}	181, 0, 52
Decimal	11862068
CIE _{Lab}	37.97, 63.15, 25.71
CIE _{LCh}	38, 68.182, 22.157
Yxy	10.0717, 0.5804, 0.2971
Android (android.graphics.Color)	4290052148 (0xFFB50034)
YUV	60.0470, -3.9672, 106.0758
Hunter-Lab	31.7359, 55.1299, 14.4512

Details

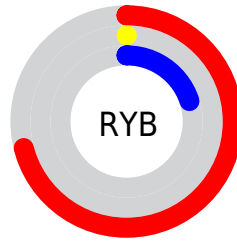
The XYZ color **19.6759, 10.0717, 4.1558** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **20.4887, 34.6336, 26.3850**, and the grayscale version is **4.3004, 4.5243, 4.9270**.

A 20% lighter version of the original color is **42.4553, 25.9998, 14.3361**, and **7.7950, 4.0128, 0.6221** is the 20% darker color. If you saturate the color by 10%, you get **19.6753, 10.0714, 4.1531**, and if you desaturate by 10%, it is **20.2257, 10.6411, 5.9741**.

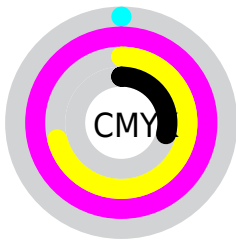
Distribution



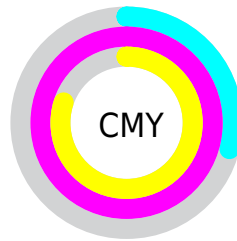
- Red (71%)
- Green (0%)
- Blue (20%)



- Red (71%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6759, 10.0717, 4.1558 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 19.6759, 10.0717, 4.1558 by changing the saturation by 10% instead.


 19.6759, 10.0717,
4.1558


 19.6759, 10.0717,
4.1558


243.0223,
191.1830, 149.9417


 12.2666, 5.4465,
1.7112


 42.3812, 25.9303,
14.3675


 6.9990, 2.5116,
0.3684


 58.4080, 37.9325,
22.9717


 3.5078, 0.8824,
0.0000

 78.0378, 53.1624,
34.4662

 1.4276, 0.0000,
0.0000

 101.6362, 72.0046,
49.2695

 0.2758, 0.0000,
0.0000

 129.5685, 94.8434,
67.8001

 0.0000, 0.0000,
0.0000

 162.2001,

122.0631, 90.4767

199.8962,
154.0482, 117.7177

■ 19.6759, 10.0717,
4.1558

■ 19.6759, 10.0717,
4.1558

■ 19.6753, 10.0714,
4.1531

■ 20.2257, 10.6411,
5.9741

■ 21.0620, 11.6468,
8.3090

■ 22.2663, 13.2433,
11.2140

■ 23.8802, 15.5061,
14.7272

■ 25.9394, 18.4990,
18.8829

■ 28.4754, 22.2786,
23.7127

■ 31.5170, 26.8958,
29.2460

■ 35.0904, 32.3971,
35.5102

■ 39.2201, 38.8255,
42.5315

Harmonies

Analogous

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



20.5666, 10.0717, 14.5956



19.6759, 10.0717, 4.1558



15.7209, 10.0717, 0.8126

Triad

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



19.6759, 10.0717, 4.1558



4.3456, 10.0717, 1.8293



8.4696, 10.0717, 56.3751

Complementary

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



19.6759, 10.0717, 4.1558



20.4887, 34.6336, 26.3850

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.



5.2818, 10.0717, 43.1424



19.6759, 10.0717, 4.1558



3.4212, 10.0717, 7.9949

Square

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



19.6759, 10.0717, 4.1558



6.7363, 10.0717, 0.1622



3.7019, 10.0717, 22.8018



13.1112, 10.0717, 51.8699

Rectangle

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



19.6759, 10.0717, 4.1558



12.3904, 10.0717, 0.0394



3.7019, 10.0717, 22.8018



7.2185, 10.0717, 53.6386

Sweetspot

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



19.6761, 10.0723, 4.1559



56.1409, 47.7027, 51.8331



17.0500, 7.8266, 44.3279



11.6259, 9.5360, 10.2873



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.



19.6761, 10.0723, 4.1559



35.1533, 18.0039, 6.9908



19.6938, 11.0992, 1.1053



8.5934, 8.5441, 9.3572



13.5903, 6.9537, 3.0025



0.4535, 0.2291, 0.2306

Inverse Universe

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



19.6761, 10.0723, 4.1559



35.1533, 18.0039, 6.9908



18.4366, 23.5280, 47.2854



8.5934, 8.5441, 9.3572



13.5903, 6.9537, 3.0025



0.4535, 0.2291, 0.2306

Previews

White Background



This preview shows how the XYZ color 19.6759, 10.0717, 4.1558 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



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 19.6759, 10.0717, 4.1558

Background



This preview shows how black text looks on a background with the XYZ color 19.6759, 10.0717, 4.1558.



This preview shows how white text looks on a background with the XYZ color 19.6759, 10.0717,

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

19.6759, 10.0717, 4.1558

Protanopia

10.0965, 10.7315, 8.5604

Deuteranopia

10.8652, 10.7313, 3.7842



Tritanopia

19.1841, 10.2770, 1.4628

Trichromacy



Original Color

19.6759, 10.0717, 4.1558

Protanomaly

11.5094, 8.1345, 6.4323

Deuteranomaly

12.3885, 8.4289, 3.5588

Tritanomaly

19.1881, 10.0799, 2.0967

Monochromacy



Original Color

19.6759, 10.0717, 4.1558

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.1406, 4.6247, 4.3872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6759, 10.0717, 4.1558 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(181, 0, 52)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 52)  
}
```

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(181, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 52) }
```

Border

The CSS property to change the border of an element to XYZ 19.6759, 10.0717, 4.1558 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(181, 0, 52) }
```


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

```
.border{ border-color:rgb(181, 0, 52) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6759, 10.0717, 4.1558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 52) }
```

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

```
.background{ background-color: rgb(181, 0,  
52) }
```

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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