

Converting Colors

XYZ(19.6448, 10.0606, 3.9311)

Have a look what the booklet for
XYZ(19.6448, 10.0606, 3.9311)
contains.

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Color

**XYZ(19.6318, 10.0540,
3.9235)**

Conversions

Conversions Part 1

Format	Color
Hex	B50032
RGB	181, 0, 50
RGB Percent	71%, 0%, 20%
CMY	0.2902, 0.9999, 0.8039
CMYK	0.00, 1.00, 0.72, 0.29
HSL	343°, 100%, 35%
HSV	343°, 100%, 71%
XYZ	19.6318, 10.0540, 3.9235
YIQ	59.8190, 91.8260, 53.9220

Conversions

Conversions Part 2

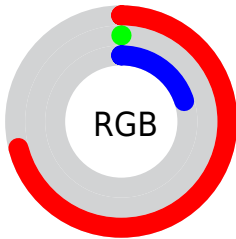
Format	Color
R_YB	181, 0, 50
Decimal	11862066
CIE Lab	37.94, 63.06, 26.94
CIE LCh	38, 68.575, 23.131
Yxy	10.0540, 0.5841, 0.2991
Android (android.graphics.Color)	4290052146 (0xFFB50032)
YUV	59.8190, -4.8408, 106.2757
Hunter-Lab	31.7080, 55.0279, 14.8592

Details

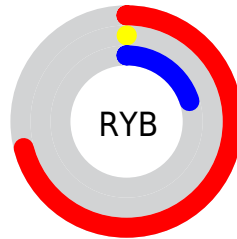
The XYZ color **19.6318, 10.0540, 3.9235** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **20.6228, 34.6873, 27.0911**, and the grayscale version is **4.2695, 4.4918, 4.8916**.

A 20% lighter version of the original color is **42.3620, 25.9625, 13.8449**, and **7.7786, 4.0062, 0.5356** is the 20% darker color. If you saturate the color by 10%, you get **19.6313, 10.0538, 3.9212**, and if you desaturate by 10%, it is **20.1744, 10.6205, 5.7043**.

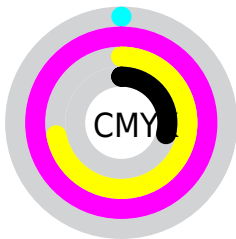
Distribution



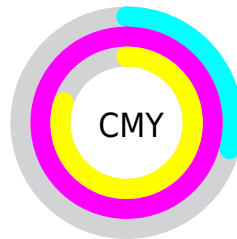
- Red (71%)
- Green (0%)
- Blue (20%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (29%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6318, 10.0540, 3.9235 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 19.6318, 10.0540, 3.9235 by changing the saturation by 10% instead.


 19.6318, 10.0540,
3.9235


 19.6318, 10.0540,
3.9235


242.7865,
191.0570, 147.3712


 12.2344, 5.4348,
1.5835


 42.3077, 25.8970,
13.8329


 6.9768, 2.5046,
0.2790


 58.3168, 37.8896,
22.2394


 3.4938, 0.8789,
0.0000

 77.9273, 53.1088,
33.5052

 1.4200, 0.0000,
0.0000

 101.5044, 71.9389,
48.0487

 0.2704, 0.0000,
0.0000

 129.4136, 94.7644,
66.2885

 0.0000, 0.0000,
0.0000

 162.0200,

121.9697, 88.6432

199.6893,
153.9391, 115.5312

■ 19.6318, 10.0540,
3.9235

■ 19.6318, 10.0540,
3.9235

■ 19.6313, 10.0538,
3.9212

■ 20.1744, 10.6205,
5.7043

■ 21.0054, 11.6240,
8.0113

■ 22.2066, 13.2192,
10.8999

■ 23.8197, 15.4815,
14.4096

■ 25.8809, 18.4751,
18.5760

■ 28.4218, 22.2566,
23.4320

■ 31.4714, 26.8768,
29.0079

■ 35.0562, 32.3825,
35.3323

■ 39.2007, 38.8168,
42.4322

Harmonies

Analogous

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



20.6494, 10.0540, 14.1061



19.6318, 10.0540, 3.9235



15.5801, 10.0540, 0.7377

Triad

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



19.6318, 10.0540, 3.9235



4.2620, 10.0540, 1.8977



8.5800, 10.0540, 56.8865

Complementary

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



19.6318, 10.0540, 3.9235



20.6228, 34.6873, 27.0911

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.



5.3276, 10.0540, 43.9967



19.6318, 10.0540, 3.9235



3.3794, 10.0540, 8.2988

Square

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



19.6318, 10.0540, 3.9235



6.6043, 10.0540, 0.1643



3.6985, 10.0540, 23.4822



13.2775, 10.0540, 51.7312

Rectangle

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



19.6318, 10.0540, 3.9235



12.2257, 10.0540, 0.0000



3.6985, 10.0540, 23.4822



7.3064, 10.0540, 54.3214

Sweetspot

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



19.6320, 10.0546, 3.9236



56.0594, 47.6701, 51.4041



17.5045, 8.0609, 44.3492



11.6068, 9.5284, 10.1870



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.



19.6320, 10.0546, 3.9236



35.0768, 17.9733, 6.5881



19.7895, 11.2906, 1.1371



8.5896, 8.5426, 9.3372



13.5592, 6.9413, 2.8390



0.4519, 0.2285, 0.2225

Inverse Universe

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



19.6320, 10.0546, 3.9236



35.0768, 17.9733, 6.5881



17.9825, 22.6197, 47.1342



8.5896, 8.5426, 9.3372



13.5592, 6.9413, 2.8390



0.4519, 0.2285, 0.2225

Previews

White Background



This preview shows how the XYZ color 19.6318, 10.0540, 3.9235 looks on a white background.

Color Contrast Check

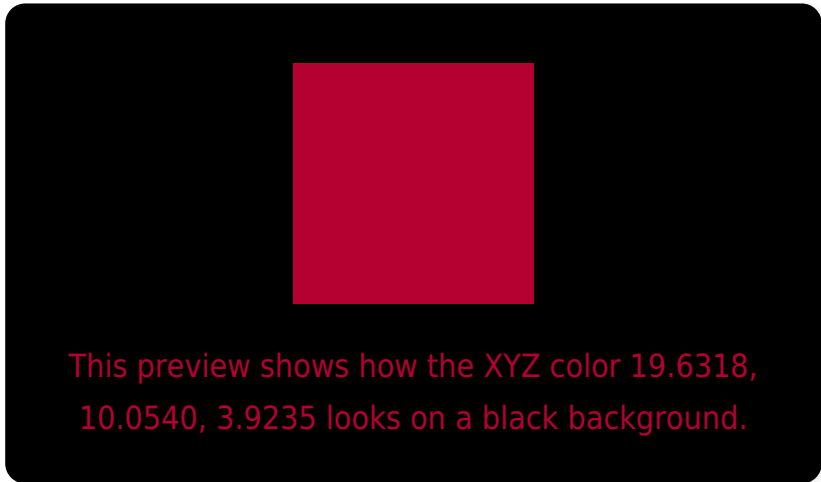
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6318, 10.0540, 3.9235

Background



This preview shows how black text looks on a background with the XYZ color 19.6318, 10.0540, 3.9235.



This preview shows how white text looks on a background with the XYZ color 19.6318, 10.0540,

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

19.6318, 10.0540, 3.9235

Protanopia

10.1341, 10.7590, 8.1992

Deuteranopia

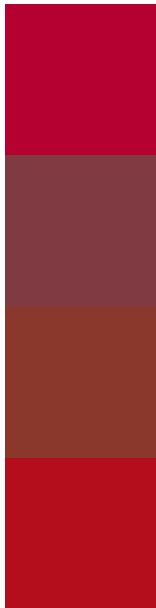
10.8294, 10.7169, 3.5956



Tritanopia

19.1588, 10.2381, 1.4183

Trichromacy



Original Color

19.6318, 10.0540, 3.9235

Protanomaly

11.4494, 8.1105, 6.1163

Deuteranomaly

12.3500, 8.4135, 3.3559

Tritanomaly

19.1759, 10.0750, 2.0326

Monochromacy



Original Color

19.6318, 10.0540, 3.9235

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.1158, 4.6148, 4.2571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6318, 10.0540, 3.9235 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 50) }
```

Border

The CSS property to change the border of an element to XYZ 19.6318, 10.0540, 3.9235 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, 50) }
```


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

```
.border{ border-color:rgb(181, 0, 50) }
```

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, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6318, 10.0540, 3.9235 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, 50) }
```

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

```
.background{ background-color: rgb(181, 0,  
50) }
```

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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