

Converting Colors

XYZ(19.5874, 10.0382, 3.6279)

Have a look what the booklet for
XYZ(19.5874, 10.0382, 3.6279)
contains.

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Color

**XYZ(19.5691, 10.0290,
3.5937)**

Conversions

Conversions Part 1

Format	Color
Hex	B5002F
RGB	181, 0, 47
RGB Percent	71%, 0%, 18%
CMY	0.2902, 0.9999, 0.8157
CMYK	0.00, 1.00, 0.74, 0.29
HSL	344°, 100%, 35%
HSV	344°, 100%, 71%
XYZ	19.5691, 10.0290, 3.5937
YIQ	59.4770, 92.7890, 52.9890

Conversions

Conversions Part 2

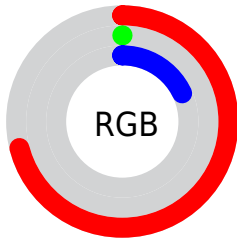
Format	Color
R_{YB}	181, 0, 47
Decimal	11862063
CIE _{Lab}	37.89, 62.94, 28.77
CIE _{LCh}	38, 69.203, 24.563
Yxy	10.0290, 0.5896, 0.3022
Android (android.graphics.Color)	4290052143 (0xFFB5002F)
YUV	59.4770, -6.1512, 106.5757
Hunter-Lab	31.6686, 54.8812, 15.4399

Details

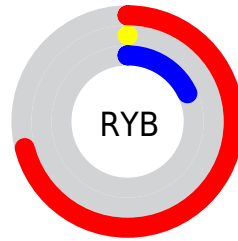
The XYZ color **19.5691, 10.0290, 3.5937** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **20.8295, 34.7698, 28.1798**, and the grayscale version is **4.2243, 4.4443, 4.8398**.

A 20% lighter version of the original color is **42.2264, 25.9083, 13.1311**, and **7.6132, 3.9241, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **19.5684, 10.0287, 3.5910**, and if you desaturate by 10%, it is **20.1006, 10.5911, 5.3159**.

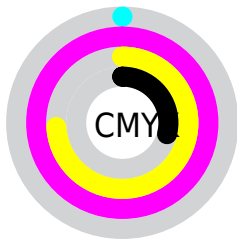
Distribution



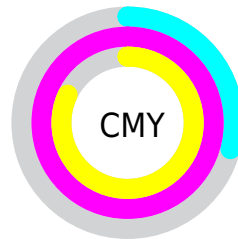
- Red (71%)
- Green (0%)
- Blue (18%)



- Red (71%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5691, 10.0290, 3.5937 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 19.5691, 10.0290, 3.5937 by changing the saturation by 10% instead.


 19.5691, 10.0290,
3.5937


 19.5691, 10.0290,
3.5937


242.4510,
190.8789, 143.5962


 12.1886, 5.4182,
1.4052


 42.2030, 25.8500,
13.0613


 6.9454, 2.4947,
0.1458


 58.1872, 37.8290,
21.1775


 3.4740, 0.8740,
0.0000

 77.7701, 53.0329,
32.1067

 1.4091, 0.0000,
0.0000

 101.3169, 71.8460,
46.2674

 0.2627, 0.0000,
0.0000

 129.1930, 94.6528,
64.0782

 0.0000, 0.0000,
0.0000

 161.7638,

121.8376, 85.9575

199.3947,
153.7848, 112.3240

■ 19.5691, 10.0290,
3.5937

■ 19.5691, 10.0290,
3.5937

■ 19.5684, 10.0287,
3.5910

■ 20.1006, 10.5911,
5.3159

■ 20.9233, 11.5914,
7.5788

■ 22.1194, 13.1847,
10.4404

■ 23.7313, 15.4466,
13.9427

■ 25.7952, 18.4415,
18.1233

■ 28.3434, 22.2261,
23.0169

■ 31.4050, 26.8513,
28.6556

■ 35.0069, 32.3640,
35.0696

■ 39.1739, 38.8075,
42.2873

Harmonies

Analogous

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



20.7765, 10.0290, 13.3984



19.5691, 10.0290, 3.5937



15.3738, 10.0290, 0.6258

Triad

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



19.5691, 10.0290, 3.5937



4.1398, 10.0290, 2.0031



8.7477, 10.0290, 57.6647

Complementary

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



19.5691, 10.0290, 3.5937



20.8295, 34.7698, 28.1798

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.



5.3970, 10.0290, 45.2993



19.5691, 10.0290, 3.5937



3.3180, 10.0290, 8.7675

Square

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



19.5691, 10.0290, 3.5937



6.4114, 10.0290, 0.1674



3.6939, 10.0290, 24.5257



13.5302, 10.0290, 51.5333

Rectangle

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



19.5691, 10.0290, 3.5937



11.9843, 10.0290, 0.0000



3.6939, 10.0290, 24.5257



7.4398, 10.0290, 55.3599

Sweetspot

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



19.5693, 10.0296, 3.5938



55.9377, 47.6214, 50.7633



17.9729, 8.3025, 44.3709



11.5784, 9.5170, 10.0375



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.



19.5693, 10.0296, 3.5938



34.9683, 17.9299, 6.0166



19.8932, 11.4981, 1.1718



8.5839, 8.5403, 9.3072



13.5149, 6.9235, 2.6056



0.4496, 0.2276, 0.2103

Inverse Universe

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



19.5693, 10.0296, 3.5938



34.9683, 17.9299, 6.0166



17.5408, 21.7362, 46.9866



8.5839, 8.5403, 9.3072



13.5149, 6.9235, 2.6056



0.4496, 0.2276, 0.2103

Previews

White Background



This preview shows how the XYZ color 19.5691, 10.0290, 3.5937 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 19.5691, 10.0290, 3.5937

Background



This preview shows how black text looks on a background with the XYZ color 19.5691, 10.0290, 3.5937.



This preview shows how white text looks on a background with the XYZ color 19.5691, 10.0290,

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

19.5691, 10.0290, 3.5937

Protanopia

10.0015, 10.7059, 7.5005

Deuteranopia

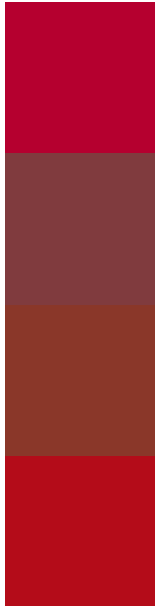
10.6816, 10.5274, 3.2193



Tritanopia

19.1279, 10.1981, 1.3410

Trichromacy



Original Color

19.5691, 10.0290, 3.5937

Protanomaly

11.3356, 8.0649, 5.5167

Deuteranomaly

12.2477, 8.2957, 3.0535

Tritanomaly

19.1293, 10.0364, 1.8487

Monochromacy



Original Color

19.5691, 10.0290, 3.5937

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.9762, 4.5456, 4.1241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5691, 10.0290, 3.5937 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 47) }
```

Border

The CSS property to change the border of an element to XYZ 19.5691, 10.0290, 3.5937 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, 47) }
```


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

```
.border{ border-color:rgb(181, 0, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5691, 10.0290, 3.5937 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, 47) }
```

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

```
.background{ background-color: rgb(181, 0,  
47) }
```

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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