

Converting Colors

XYZ(19.1399, 10.1978, 4.7710)

Have a look what the booklet for
XYZ(19.1399, 10.1978, 4.7710)
contains.

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Color

**XYZ(19.1569, 10.2163,
4.8332)**

Conversions

Conversions Part 1

Format	Color
Hex	B11639
RGB	177, 22, 57
RGB Percent	69%, 9%, 22%
CMY	0.3059, 0.9137, 0.7765
CMYK	0.00, 0.88, 0.68, 0.31
HSL	346°, 78%, 39%
HSV	346°, 88%, 69%
XYZ	19.1569, 10.2163, 4.8332
YIQ	72.3350, 81.1450, 43.7450

Conversions

Conversions Part 2

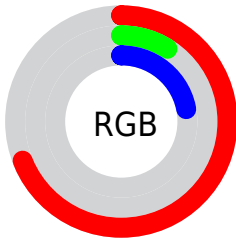
Format	Color
R_{YB}	177, 22, 57
Decimal	11605561
CIE Lab	38.23, 59.42, 22.68
CIE LCh	38, 63.598, 20.894
Yxy	10.2163, 0.5600, 0.2987
Android (android.graphics.Color)	4289795641 (0xFFB11639)
YUV	72.3350, -7.5602, 91.7912
Hunter-Lab	31.9629, 51.0483, 13.4087

Details

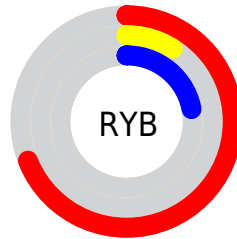
The XYZ color **19.1569, 10.2163, 4.8332** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **20.9369, 33.5684, 30.9731**, and the grayscale version is **6.2215, 6.5455, 7.1281**.

A 20% lighter version of the original color is **41.5035, 26.1666, 15.9599**, and **7.2887, 3.7475, 0.7911** is the 20% darker color. If you saturate the color by 10%, you get **18.6197, 9.6174, 3.1890**, and if you desaturate by 10%, it is **20.0085, 11.2968, 7.0377**.

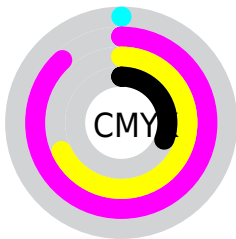
Distribution



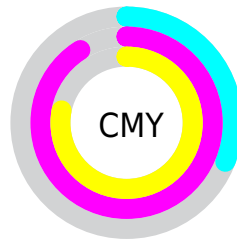
- Red (69%)
- Green (9%)
- Blue (22%)



- Red (69%)
- Yellow (9%)
- Blue (22%)



- Cyan (0%)
- Magenta (88%)
- Yellow (68%)
- Black (31%)





- Cyan (31%)
- Magenta (91%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1569, 10.2163, 4.8332 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 19.1569, 10.2163, 4.8332 by changing the saturation by 10% instead.


 19.1569, 10.2163,
4.8332


 19.1569, 10.2163,
4.8332


240.2351,
192.2089, 157.0794


 11.8884, 5.5426,
2.0927


 41.5139, 26.2016,
15.8899


 6.7394, 2.5690,
0.6114


 57.3331, 38.2819,
25.0431


 3.3445, 0.9111,
0.0000

 76.7332, 53.5999,
37.1710

 1.3385, 0.0000,
0.0000

 100.0796, 72.5400,
52.6921

 0.2117, 0.0000,
0.0000

 127.7376, 95.4866,
72.0250

 0.0000, 0.0000,
0.0000

 160.0726,

122.8240, 95.5881

197.4500,
154.9366, 123.8001

■ 19.1569, 10.2163,
4.8332

■ 19.1569, 10.2163,
4.8332

■ 18.6197, 9.6174,
3.1890

■ 20.0085, 11.2968,
7.0377

■ 18.5136, 9.5000,
2.8613

■ 21.2315, 12.9612,
9.8546

■ 22.8654, 15.2790,
13.3276

■ 24.9442, 18.3094,
17.4958

■ 27.4984, 22.1047,
22.3951

■ 30.5557, 26.7126,
28.0591

■ 34.1415, 32.1767,
34.5191

■ 38.2798, 38.5374,
41.8045

■ 42.9927, 45.8327,
49.9434

Harmonies

Analogous

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



19.8274, 10.2163, 15.1167



19.1569, 10.2163, 4.8332



15.6167, 10.2163, 1.1709

Triad

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



19.1569, 10.2163, 4.8332



4.7670, 10.2163, 2.0704



8.5092, 10.2163, 51.9618

Complementary

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



19.1569, 10.2163, 4.8332



20.9369, 33.5684, 30.9731

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.



5.5198, 10.2163, 39.6720



19.1569, 10.2163, 4.8332



3.7984, 10.2163, 7.9043

Square

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



19.1569, 10.2163, 4.8332



7.1489, 10.2163, 0.4541



4.0282, 10.2163, 21.3425



12.8203, 10.2163, 48.6622

Rectangle

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



19.1569, 10.2163, 4.8332



12.5425, 10.2163, 0.4066



4.0282, 10.2163, 21.3425



7.3402, 10.2163, 49.3134

Sweetspot

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



19.1571, 10.2169, 4.8333



55.3942, 48.8575, 51.4741



19.1798, 9.3972, 42.3977



11.5750, 9.9370, 10.3693



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.



19.1571, 10.2169, 4.8333



33.0883, 16.9866, 4.7606



20.0730, 12.9984, 2.2109



8.5723, 8.5356, 9.2463



13.4334, 6.8909, 2.1763



0.4449, 0.2257, 0.1854

Inverse Universe

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



19.1571, 10.2169, 4.8333



33.0883, 16.9866, 4.7606



17.0249, 20.8608, 44.7240



8.5723, 8.5356, 9.2463



13.4334, 6.8909, 2.1763



0.4449, 0.2257, 0.1854

Previews

White Background



This preview shows how the XYZ color 19.1569, 10.2163, 4.8332 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

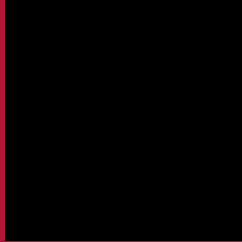
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1569, 10.2163, 4.8332

Background



This preview shows how black text looks on a background with the XYZ color 19.1569, 10.2163, 4.8332.



This preview shows how white text looks on a background with the XYZ color 19.1569, 10.2163,

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

19.1569, 10.2163, 4.8332

Protanopia

9.9834, 10.5243, 9.4878

Deuteranopia

10.6447, 10.4829, 4.3681



Tritanopia

18.5905, 10.2474, 2.1605

Trichromacy



Original Color

19.1569, 10.2163, 4.8332

Protanomaly

11.6083, 8.7374, 7.3780

Deuteranomaly

12.5507, 9.0372, 4.3317

Tritanomaly

18.6626, 10.1605, 2.8970

Monochromacy



Original Color

19.1569, 10.2163, 4.8332

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.7627, 6.3586, 6.0757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1569, 10.2163, 4.8332 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(177, 22, 57)` looks like.

```
.text, #text, p{  
    color:rgb(177, 22, 57)  
}
```

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(177, 22, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 22, 57) }
```

Border

The CSS property to change the border of an element to XYZ 19.1569, 10.2163, 4.8332 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(177, 22, 57) }
```


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

```
.border{ border-color:rgb(177, 22, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 22, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 22, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 22, 57);  
box-shadow:4px 4px 4px 4px rgb(177, 22,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1569, 10.2163, 4.8332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 22, 57) }
```

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

```
.background{ background-color: rgb(177, 22,  
57) }
```

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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