

Converting Colors

XYZ(19.9256, 10.1716, 5.4705)

Have a look what the booklet for
XYZ(19.9256, 10.1716, 5.4705)
contains.

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Color

**XYZ(19.9256, 10.1716,
5.4705)**

Conversions

Conversions Part 1

Format	Color
Hex	B5003E
RGB	181, 0, 62
RGB Percent	71%, 0%, 24%
CMY	0.2902, 0.9999, 0.7569
CMYK	0.00, 1.00, 0.66, 0.29
HSL	339°, 100%, 35%
HSV	339°, 100%, 71%
XYZ	19.9256, 10.1716, 5.4705
YIQ	61.1870, 87.9740, 57.6540

Conversions

Conversions Part 2

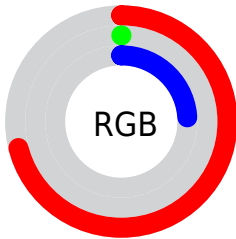
Format	Color
RYB	181, 0, 62
Decimal	11862078
CIELab	38.15, 63.63, 19.56
CIELCh	38, 66.565, 17.089
Yxy	10.1716, 0.5602, 0.2860
Android (android.graphics.Color)	4290052158 (0xFFB5003E)
YUV	61.1870, 0.4008, 105.0760
Hunter-Lab	31.8929, 55.7079, 12.1552

Details

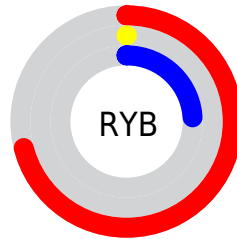
The XYZ color **19.9256, 10.1716, 5.4705** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.8560, 34.3805, 23.0527**, and the grayscale version is **4.4553, 4.6873, 5.1045**.

A 20% lighter version of the original color is **42.6649, 26.0437, 17.2462**, and **7.8811, 4.0472, 1.0753** is the 20% darker color. If you saturate the color by 10%, you get **19.9249, 10.1713, 5.4674**, and if you desaturate by 10%, it is **20.5072, 10.7537, 7.4561**.

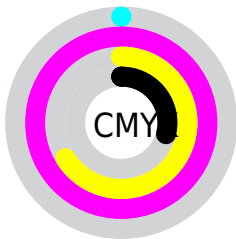
Distribution



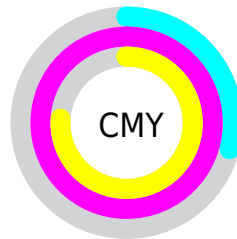
- Red (71%)
- Green (0%)
- Blue (24%)



- Red (71%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9256, 10.1716, 5.4705 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 19.9256, 10.1716, 5.4705 by changing the saturation by 10% instead.


 19.9256, 10.1716,
5.4705


 19.9256, 10.1716,
5.4705


244.3533,
191.8925, 163.3863


 12.4489, 5.5129,
2.4624


 42.7973, 26.1178,
17.2798


 7.1246, 2.5512,
0.8201


 58.9230, 38.1740,
26.9181


 3.5871, 0.9022,
0.0000

 78.6625, 53.4649,
39.6035

 1.4713, 0.0000,
0.0000

 102.3811, 72.3748,
55.7546

 0.3062, 0.0000,
0.0000

 130.4441, 95.2881,
75.7899

 0.0000, 0.0000,
0.0000

 163.2169,

122.5892, 100.1279

201.0648,
154.6625, 129.1872

■ 19.9256, 10.1716,
5.4705

■ 19.9256, 10.1716,
5.4705

■ 19.9249, 10.1713,
5.4674

■ 20.5072, 10.7537,
7.4561

■ 21.3658, 11.7683,
9.9082

■ 22.5815, 13.3694,
12.8731

■ 24.1946, 15.6319,
16.3824

■ 26.2398, 18.6193,
20.4647

■ 28.7477, 22.3877,
25.1462

■ 31.7460, 26.9876,
30.4515

■ 35.2602, 32.4652,
36.4035

■ 39.3138, 38.8632,
43.0241

Harmonies

Analogous

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



20.1794, 10.1716, 17.2564



19.9256, 10.1716, 5.4705



16.4641, 10.1716, 1.2080

Triad

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



19.9256, 10.1716, 5.4705



4.7869, 10.1716, 1.5088



7.9348, 10.1716, 53.9308

Complementary

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



19.9256, 10.1716, 5.4705



19.8560, 34.3805, 23.0527

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.



5.0587, 10.1716, 39.0634



19.9256, 10.1716, 5.4705



3.6388, 10.1716, 6.5804

Square

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



19.9256, 10.1716, 5.4705



7.4351, 10.1716, 0.1501



3.7208, 10.1716, 19.5968



12.3079, 10.1716, 52.6569

Rectangle

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



19.9256, 10.1716, 5.4705



13.2588, 10.1716, 0.3118



3.7208, 10.1716, 19.5968



6.7919, 10.1716, 50.3639

Sweetspot

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



19.9258, 10.1722, 5.4706



56.5555, 47.8685, 54.0166



15.7661, 7.1648, 44.2679



11.7231, 9.5749, 10.7990



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.



19.9258, 10.1722, 5.4706



35.5893, 18.1783, 9.2869



19.4522, 10.6158, 1.0248



8.6125, 8.5517, 9.4577



13.7655, 7.0238, 3.9253



0.4612, 0.2322, 0.2713

Inverse Universe

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



19.9258, 10.1722, 5.4706



35.5893, 18.1783, 9.2869



19.8725, 26.3997, 47.7641



8.6125, 8.5517, 9.4577



13.7655, 7.0238, 3.9253



0.4612, 0.2322, 0.2713

Previews

White Background



This preview shows how the XYZ color 19.9256, 10.1716, 5.4705 looks on a white background.

Color Contrast Check

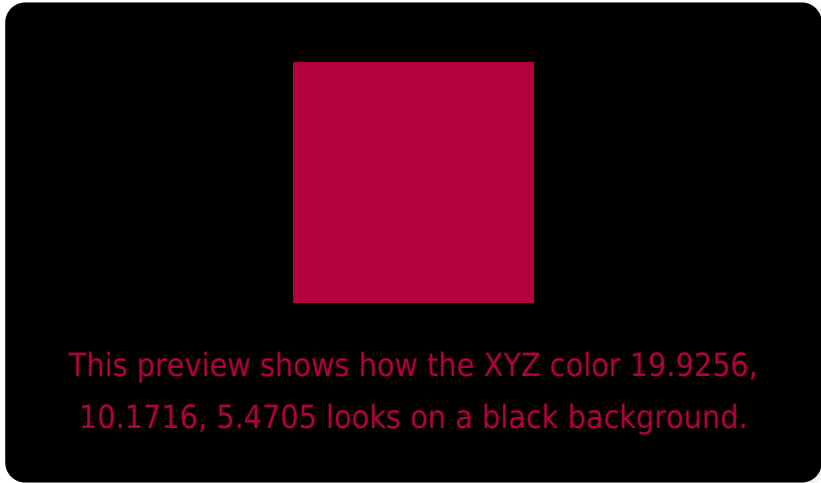
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9256, 10.1716, 5.4705

Background



This preview shows how black text looks on a background with the XYZ color 19.9256, 10.1716, 5.4705.



This preview shows how white text looks on a background with the XYZ color 19.9256, 10.1716,

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

19.9256, 10.1716, 5.4705

Protanopia

10.3316, 10.7893, 11.4355

Deuteranopia

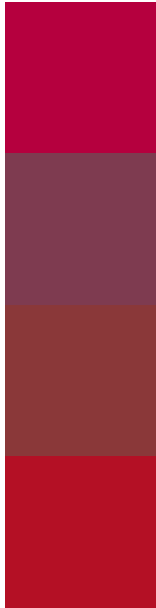
10.9656, 10.7565, 4.9883



Tritanopia

19.3148, 10.4565, 1.7594

Trichromacy



Original Color

19.9256, 10.1716, 5.4705

Protanomaly

11.6161, 8.1427, 8.5489

Deuteranomaly

12.6339, 8.5270, 4.8509

Tritanomaly

19.3416, 10.2075, 2.7011

Monochromacy



Original Color

19.9256, 10.1716, 5.4705

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.3935, 4.7912, 4.9500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9256, 10.1716, 5.4705 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 19.9256, 10.1716, 5.4705 is called "border". The border property can be set on classes, ids or directly on the HTML element.

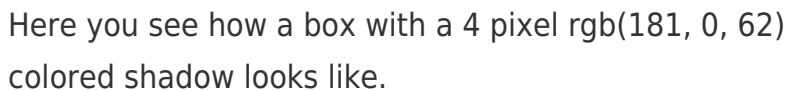
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 0, 62) }
```


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

```
.border{ border-color:rgb(181, 0, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.9256, 10.1716, 5.4705 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, 62) }
```

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

```
.background{ background-color: rgb(181, 0,  
62) }
```

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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