

Converting Colors

XYZ(19.8154, 9.7276, 5.9608)

Have a look what the booklet for
XYZ(19.8154, 9.7276, 5.9608)
contains.

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Color

**XYZ(20.0394, 10.2171,
6.0702)**

Conversions

Conversions Part 1

Format	Color
Hex	B50042
RGB	181, 0, 66
RGB Percent	71%, 0%, 26%
CMY	0.2902, 0.9999, 0.7412
CMYK	0.00, 1.00, 0.64, 0.29
HSL	338°, 100%, 35%
HSV	338°, 100%, 71%
XYZ	20.0394, 10.2171, 6.0702
YIQ	61.6430, 86.6900, 58.8980

Conversions

Conversions Part 2

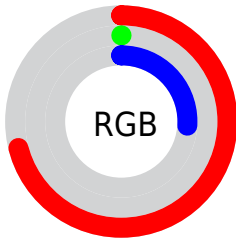
Format	Color
R_{YB}	181, 0, 66
Decimal	11862082
CIE _{Lab}	38.23, 63.84, 17.10
CIE _{LCh}	38, 66.093, 14.991
Yxy	10.2171, 0.5516, 0.2813
Android (android.graphics.Color)	4290052162 (0xFFB50042)
YUV	61.6430, 2.1480, 104.6761
Hunter-Lab	31.9642, 55.9701, 11.1154

Details

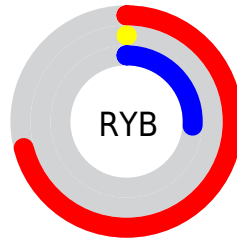
The XYZ color **20.0394, 10.2171, 6.0702** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.6204, 34.2862, 21.8128**, and the grayscale version is **4.5181, 4.7534, 5.1764**.

A 20% lighter version of the original color is **42.8852, 26.1318, 18.4064**, and **7.9106, 4.0590, 1.2307** is the 20% darker color. If you saturate the color by 10%, you get **20.0387, 10.2168, 6.0671**, and if you desaturate by 10%, it is **20.6317, 10.8035, 8.1124**.

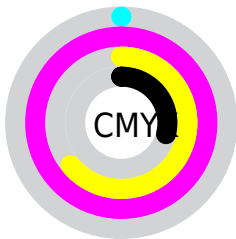
Distribution



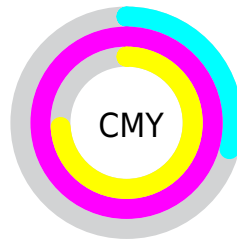
- Red (71%)
- Green (0%)
- Blue (26%)



- Red (71%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (29%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0394, 10.2171, 6.0702 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 20.0394, 10.2171, 6.0702 by changing the saturation by 10% instead.


 20.0394, 10.2171,
6.0702


 20.0394, 10.2171,
6.0702


244.9578,
192.2146, 169.0239


 12.5321, 5.5431,
2.8183


 42.9867, 26.2031,
18.5566


 7.1819, 2.5693,
1.0026


 59.1574, 38.2838,
28.6282


 3.6235, 0.9113,
0.0000

 78.9466, 53.6023,
41.8102

 1.4914, 0.0000,
0.0000

 102.7197, 72.5430,
58.5210

 0.3200, 0.0000,
0.0000

 130.8420, 95.4901,
79.1792

 0.0000, 0.0000,
0.0000

 163.6789,

122.8282, 104.2034

201.5957,
154.9415, 134.0121

■ 20.0394, 10.2171,
6.0702

■ 20.0394, 10.2171,
6.0702

■ 20.0387, 10.2168,
6.0671

■ 20.6317, 10.8035,
8.1124

■ 21.4972, 11.8209,
10.6008

■ 22.7154, 13.4230,
13.5791

■ 24.3264, 15.6845,
17.0769

■ 26.3643, 18.6689,
21.1207

■ 28.8594, 22.4322,
25.7349

■ 31.8391, 27.0246,
30.9424

■ 35.3285, 32.4922,
36.7646

■ 39.3511, 38.8778,
43.2217

Harmonies

Analogous

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



20.0383, 10.2171, 18.4210



20.0394, 10.2171, 6.0702



16.7794, 10.2171, 1.3926

Triad

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



20.0394, 10.2171, 6.0702



4.9738, 10.2171, 1.3912



7.7301, 10.2171, 53.0102

Complementary

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



20.0394, 10.2171, 6.0702



19.6204, 34.2862, 21.8128

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.



4.9726, 10.2171, 37.5278



20.0394, 10.2171, 6.0702



3.7297, 10.2171, 6.0653

Square

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



20.0394, 10.2171, 6.0702



7.7324, 10.2171, 0.1447



3.7294, 10.2171, 18.4107



12.0014, 10.2171, 53.0158

Rectangle

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



20.0394, 10.2171, 6.0702



13.6265, 10.2171, 0.4207



3.7294, 10.2171, 18.4107



6.6282, 10.2171, 49.1247

Sweetspot

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



20.0396, 10.2177, 6.0703



56.7246, 47.9362, 54.9069



15.3644, 6.9577, 44.2489



11.7628, 9.5908, 11.0083



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.



20.0396, 10.2177, 6.0703



35.7894, 18.2583, 10.3408



19.3861, 10.4837, 1.0027



8.6201, 8.5548, 9.4981



13.8451, 7.0556, 4.3445



0.4643, 0.2335, 0.2875

Inverse Universe

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



20.0396, 10.2177, 6.0703



35.7894, 18.2583, 10.3408



20.3759, 27.4065, 47.9318



8.6201, 8.5548, 9.4981



13.8451, 7.0556, 4.3445



0.4643, 0.2335, 0.2875

Previews

White Background



This preview shows how the XYZ color 20.0394, 10.2171, 6.0702 looks on a white background.

Color Contrast Check

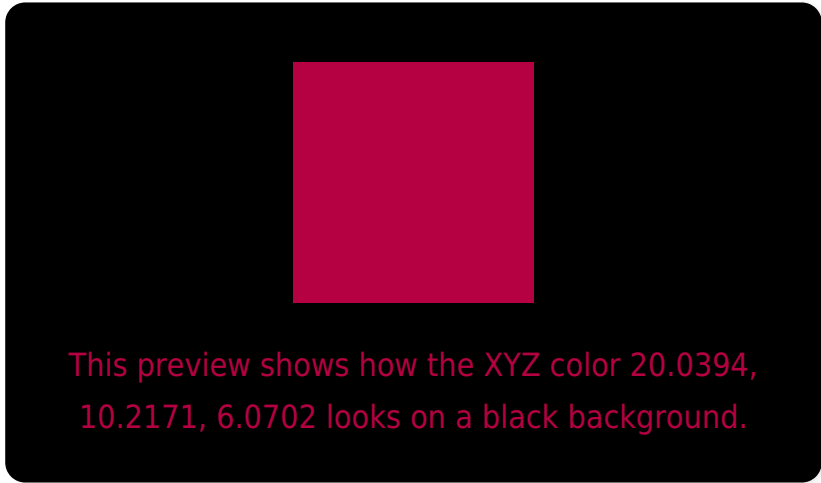
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0394, 10.2171, 6.0702

Background



This preview shows how black text looks on a background with the XYZ color 20.0394, 10.2171, 6.0702.



This preview shows how white text looks on a background with the XYZ color 20.0394, 10.2171,

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

20.0394, 10.2171, 6.0702

Protanopia

10.4990, 10.8445, 12.8491

Deuteranopia

11.0182, 10.8950, 5.5252



Tritanopia

19.3792, 10.5531, 1.8797

Trichromacy



Original Color

20.0394, 10.2171, 6.0702

Protanomaly

11.7011, 8.1598, 9.7624

Deuteranomaly

12.6220, 8.5815, 5.4060

Tritanomaly

19.3890, 10.2507, 2.8761

Monochromacy



Original Color

20.0394, 10.2171, 6.0702

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.4484, 4.8132, 5.2391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0394, 10.2171, 6.0702 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 66) }
```

Border

The CSS property to change the border of an element to XYZ 20.0394, 10.2171, 6.0702 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, 66) }
```


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

```
.border{ border-color:rgb(181, 0, 66) }
```

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, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0394, 10.2171, 6.0702 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, 66) }
```

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

```
.background{ background-color: rgb(181, 0,  
66) }
```

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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