

Converting Colors

XYZ(19.4058, 9.8966, 5.7662)

Have a look what the booklet for
XYZ(19.4058, 9.8966, 5.7662)
contains.

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Color

**XYZ(19.2855, 9.8351,
5.7324)**

Conversions

Conversions Part 1

Format	Color
Hex	B20040
RGB	178, 0, 64
RGB Percent	70%, 0%, 25%
CMY	0.3020, 0.9999, 0.7490
CMYK	0.00, 1.00, 0.64, 0.30
HSL	338°, 100%, 35%
HSV	338°, 100%, 70%
XYZ	19.2855, 9.8351, 5.7324
YIQ	60.5180, 85.5440, 57.6400

Conversions

Conversions Part 2

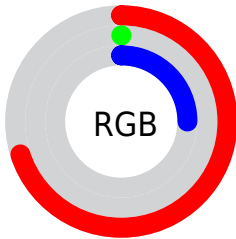
Format	Color
R_{YB}	178, 0, 64
Decimal	11665472
CIE _{Lab}	37.54, 63.01, 17.36
CIE _{LCh}	38, 65.361, 15.403
Yxy	9.8351, 0.5533, 0.2822
Android (android.graphics.Color)	4289855552 (0xFFB20040)
YUV	60.5180, 1.7166, 103.0317
Hunter-Lab	31.3610, 54.8873, 11.1152

Details

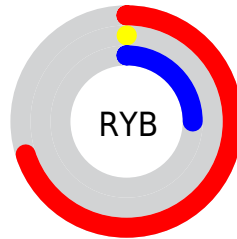
The XYZ color **19.2855, 9.8351, 5.7324** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.9595, 33.0563, 21.3090**, and the grayscale version is **4.3588, 4.5858, 4.9939**.

A 20% lighter version of the original color is **41.6731, 25.4103, 17.7472**, and **7.4908, 3.8438, 1.1577** is the 20% darker color. If you saturate the color by 10%, you get **19.2849, 9.8349, 5.7297**, and if you desaturate by 10%, it is **19.8573, 10.4055, 7.6908**.

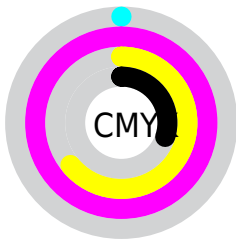
Distribution



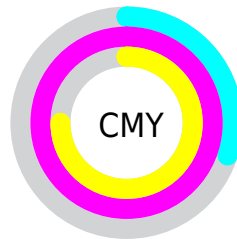
- Red (70%)
- Green (0%)
- Blue (25%)



- Red (70%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2855, 9.8351, 5.7324 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 19.2855, 9.8351, 5.7324 by changing the saturation by 10% instead.

 19.2855, 9.8351,
5.7324


 19.2855, 9.8351,
5.7324


240.9283,
189.4911, 165.8808


 11.9820, 5.2898,
2.6169


 41.7291, 25.4849,
17.8409


 6.8035, 2.4183,
0.9012


 57.5999, 37.3581,
27.6709


 3.3848, 0.8353,
0.0000

 77.0572, 52.4428,
40.5762

 1.3603, 0.0000,
0.0000

 100.4664, 71.1232,
56.9754

 0.2277, 0.0000,
0.0000

 128.1927, 93.7839,
77.2869

 0.0000, 0.0000,
0.0000

 160.6016,

120.8091, 101.9292

198.0583,
152.5834, 131.3210

■ 19.2855, 9.8351,
5.7324

■ 19.2855, 9.8351,
5.7324

■ 19.2849, 9.8349,
5.7297

■ 19.8573, 10.4055,
7.6908

■ 20.6920, 11.3892,
10.0826

■ 21.8670, 12.9361,
12.9506

■ 23.4209, 15.1177,
16.3236

■ 25.3865, 17.9950,
20.2274

■ 27.7928, 21.6217,
24.6860

■ 30.6663, 26.0460,
29.7215

■ 34.0312, 31.3123,
35.3550

■ 37.9099, 37.4614,
41.6060

Harmonies

Analogous

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



19.3323, 9.8351, 17.5249



19.2855, 9.8351, 5.7324



16.1065, 9.8351, 1.3057

Triad

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



19.2855, 9.8351, 5.7324



4.7565, 9.8351, 1.3620



7.4858, 9.8351, 51.2449

Complementary

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



19.2855, 9.8351, 5.7324



18.9595, 33.0563, 21.3090

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.



4.8070, 9.8351, 36.4418



19.2855, 9.8351, 5.7324



3.5762, 9.8351, 5.9384

Square

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



19.2855, 9.8351, 5.7324



7.3933, 9.8351, 0.1201



3.5915, 9.8351, 17.9571



11.6200, 9.8351, 51.0103

Rectangle

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



19.2855, 9.8351, 5.7324



13.0587, 9.8351, 0.3707



3.5915, 9.8351, 17.9571



6.4166, 9.8351, 47.5606

Sweetspot

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



19.2857, 9.8357, 5.7325



55.3108, 46.7659, 53.3828



14.8132, 6.7087, 42.6334



11.7536, 9.5871, 10.9600



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.



19.2857, 9.8357, 5.7325



34.8722, 17.7951, 9.8638



18.6818, 10.1083, 0.9673



8.6184, 8.5541, 9.4888



13.8264, 7.0481, 4.2456



0.4636, 0.2332, 0.2838

Inverse Universe

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



19.2857, 9.8357, 5.7325



34.8722, 17.7951, 9.8638



19.6364, 26.4150, 46.1829



8.6184, 8.5541, 9.4888



13.8264, 7.0481, 4.2456



0.4636, 0.2332, 0.2838

Previews

White Background



This preview shows how the XYZ color 19.2855, 9.8351, 5.7324 looks on a white background.

Color Contrast Check

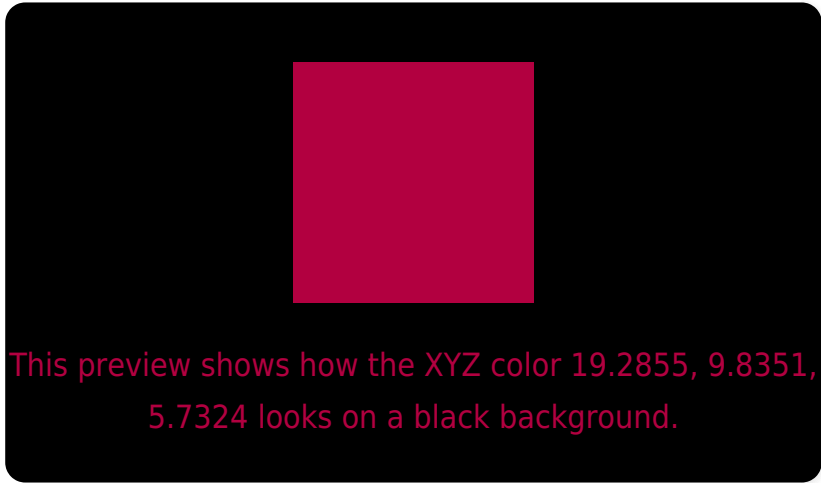
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.2855, 9.8351, 5.7324

Background



This preview shows how black text looks on a background with the XYZ color 19.2855, 9.8351, 5.7324.



This preview shows how white text looks on a background with the XYZ color 19.2855, 9.8351,

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

19.2855, 9.8351, 5.7324

Protanopia

10.1751, 10.5656, 12.0928

Deuteranopia

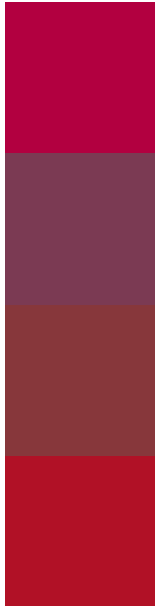
10.5524, 10.4169, 5.1959



Tritanopia

18.6555, 10.1478, 1.7861

Trichromacy



Original Color

19.2855, 9.8351, 5.7324

Protanomaly

11.2428, 7.8616, 9.1085

Deuteranomaly

12.1473, 8.1990, 5.0800

Tritanomaly

18.6818, 9.8879, 2.7576

Monochromacy



Original Color

19.2855, 9.8351, 5.7324

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.3039, 4.7419, 5.0877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2855, 9.8351, 5.7324 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(178, 0, 64)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 64)  
}
```

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(178, 0, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 64) }
```

Border

The CSS property to change the border of an element to XYZ 19.2855, 9.8351, 5.7324 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(178, 0, 64) }
```


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

```
.border{ border-color:rgb(178, 0, 64) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.2855, 9.8351, 5.7324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 64) }
```

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

```
.background{ background-color: rgb(178, 0,  
64) }
```

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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