

Converting Colors

XYZ(18.6616, 8.5058, 3.3781)

Have a look what the booklet for
XYZ(18.6616, 8.5058, 3.3781)
contains.

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Color

**XYZ(19.3355, 9.9085,
3.5828)**

Conversions

Conversions Part 1

Format	Color
Hex	B4002F
RGB	180, 0, 47
RGB Percent	71%, 0%, 18%
CMY	0.2941, 0.9999, 0.8157
CMYK	0.00, 1.00, 0.74, 0.29
HSL	344°, 100%, 35%
HSV	344°, 100%, 71%
XYZ	19.3355, 9.9085, 3.5828
YIQ	59.1780, 92.1930, 52.7770

Conversions

Conversions Part 2

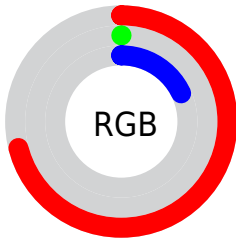
Format	Color
R_{YB}	180, 0, 47
Decimal	11796527
CIE _{Lab}	37.68, 62.69, 28.46
CIE _{LCh}	38, 68.852, 24.414
Yxy	9.9085, 0.5890, 0.3018
Android (android.graphics.Color)	4289986607 (0xFFB4002F)
YUV	59.1780, -6.0038, 105.9609
Hunter-Lab	31.4778, 54.5591, 15.2861

Details

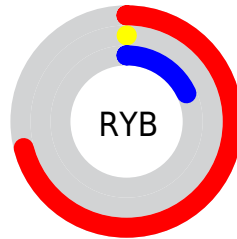
The XYZ color **19.3355, 9.9085, 3.5828** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **20.5571, 34.3368, 27.7447**, and the grayscale version is **4.1826, 4.4005, 4.7921**.

A 20% lighter version of the original color is **41.8066, 25.5823, 13.0904**, and **7.6132, 3.9241, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **19.3350, 9.9083, 3.5805**, and if you desaturate by 10%, it is **19.8627, 10.4663, 5.2903**.

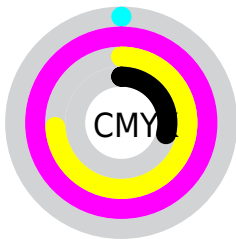
Distribution



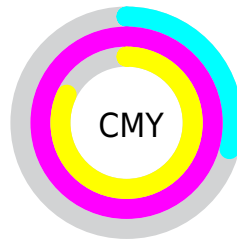
- Red (71%)
- Green (0%)
- Blue (18%)



- 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 19.3355, 9.9085, 3.5828 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 19.3355, 9.9085, 3.5828 by changing the saturation by 10% instead.


 19.3355, 9.9085,
3.5828


 19.3355, 9.9085,
3.5828


241.1974,
190.0178, 143.4687


 12.0184, 5.3383,
1.3994


 41.8128, 25.6233,
13.0355


 6.8285, 2.4471,
0.1412


 57.7036, 37.5366,
21.1419


 3.4004, 0.8500,
0.0000

 77.1831, 52.6665,
32.0597

 1.3689, 0.0000,
0.0000

 100.6166, 71.3974,
46.2075

 0.2339, 0.0000,
0.0000

 128.3694, 94.1135,
64.0037

 0.0000, 0.0000,
0.0000

 160.8069,

121.1994, 85.8670

198.2945,
153.0393, 112.2158

■ 19.3355, 9.9085,
3.5828

■ 19.3355, 9.9085,
3.5828

■ 19.3350, 9.9083,
3.5805

■ 19.8627, 10.4663,
5.2903

■ 20.6768, 11.4559,
7.5304

■ 21.8593, 13.0309,
10.3600

■ 23.4519, 15.2659,
13.8202

■ 25.4904, 18.2243,
17.9482

■ 28.0065, 21.9619,
22.7778

■ 31.0290, 26.5292,
28.3407

■ 34.5842, 31.9722,
34.6664

■ 38.6968, 38.3337,
41.7828

Harmonies

Analogous

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



20.5084, 9.9085, 13.3061



19.3355, 9.9085, 3.5828



15.2065, 9.9085, 0.6270

Triad

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



19.3355, 9.9085, 3.5828



4.1015, 9.9085, 1.9674



8.6229, 9.9085, 56.8767

Complementary

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



19.3355, 9.9085, 3.5828



20.5571, 34.3368, 27.7447

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.



5.3235, 9.9085, 44.6078



19.3355, 9.9085, 3.5828



3.2836, 9.9085, 8.6106

Square

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



19.3355, 9.9085, 3.5828



6.3525, 9.9085, 0.1585



3.6490, 9.9085, 24.1155



13.3379, 9.9085, 50.9218

Rectangle

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



19.3355, 9.9085, 3.5828



11.8621, 9.9085, 0.0000



3.6490, 9.9085, 24.1155



7.3346, 9.9085, 54.5729

Sweetspot

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



19.3357, 9.9091, 3.5829



55.9484, 47.6257, 50.8196



17.7554, 8.2020, 43.8272



11.5809, 9.5180, 10.0506



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.



19.3357, 9.9091, 3.5829



34.9775, 17.9336, 6.0654



19.6512, 11.3608, 1.1580



8.5844, 8.5405, 9.3099



13.5187, 6.9250, 2.6256



0.4498, 0.2277, 0.2114

Inverse Universe

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



19.3357, 9.9091, 3.5829



34.9775, 17.9336, 6.0654



17.3280, 21.4743, 46.4115



8.5844, 8.5405, 9.3099



13.5187, 6.9250, 2.6256



0.4498, 0.2277, 0.2114

Previews

White Background



This preview shows how the XYZ color 19.3355, 9.9085, 3.5828 looks on a white background.

Color Contrast Check

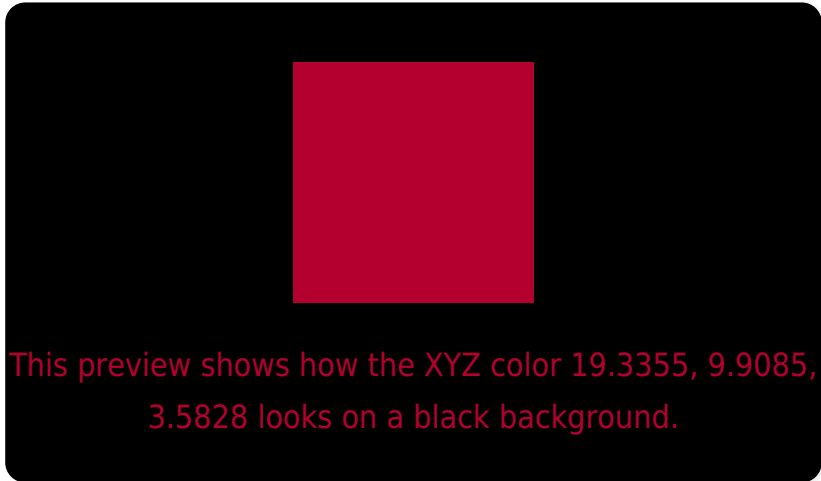
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3355, 9.9085, 3.5828

Background



This preview shows how black text looks on a background with the XYZ color 19.3355, 9.9085, 3.5828.



This preview shows how white text looks on a background with the XYZ color 19.3355, 9.9085,

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

19.3355, 9.9085, 3.5828

Protanopia

9.9154, 10.5338, 7.4719

Deuteranopia

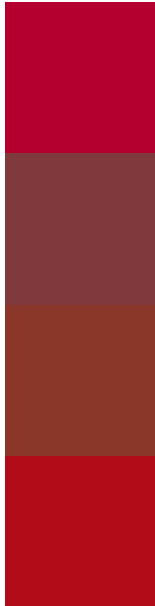
10.6816, 10.5274, 3.2193



Tritanopia

18.8959, 10.0785, 1.3302

Trichromacy



Original Color

19.3355, 9.9085, 3.5828

Protanomaly

11.2846, 7.9631, 5.4997

Deuteranomaly

12.2477, 8.2957, 3.0535

Tritanomaly

18.8973, 9.9168, 1.8378

Monochromacy



Original Color

19.3355, 9.9085, 3.5828

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 19.3355, 9.9085, 3.5828 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(180, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 47) }
```

Border

The CSS property to change the border of an element to XYZ 19.3355, 9.9085, 3.5828 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(180, 0, 47) }
```


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

```
.border{ border-color:rgb(180, 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(180, 0, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(180, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3355, 9.9085, 3.5828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 47) }
```

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

```
.background{ background-color: rgb(180, 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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