

Converting Colors

XYZ(18.5533, 9.3364, 11.1802)

Have a look what the booklet for
XYZ(18.5533, 9.3364, 11.1802)
contains.

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Color

**XYZ(18.5533, 9.3364,
11.1802)**

Conversions

Conversions Part 1

Format	Color
Hex	AA005D
RGB	170, 0, 93
RGB Percent	67%, 0%, 36%
CMY	0.3333, 0.9999, 0.6353
CMYK	0.00, 1.00, 0.45, 0.33
HSL	327°, 100%, 33%
HSV	327°, 100%, 67%
XYZ	18.5533, 9.3364, 11.1802
YIQ	61.4320, 71.4670, 64.9630

Conversions

Conversions Part 2

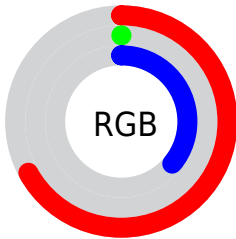
Format	Color
RYB	170, 0, 93
Decimal	11141213
CIELab	36.62, 63.22, -2.92
CIElCh	37, 63.284, 357.353
Yxy	9.3364, 0.4749, 0.2390
Android (android.graphics.Color)	4289331293 (0xFFAA005D)
YUV	61.4320, 15.5630, 95.2141
Hunter-Lab	30.5555, 54.9130, -0.3052

Details

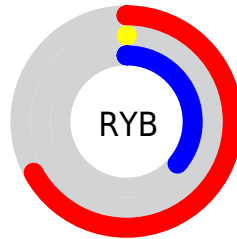
The XYZ color **18.5533, 9.3364, 11.1802** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.7156, 29.2856, 11.8509**, and the grayscale version is **4.4707, 4.7035, 5.1221**.

A 20% lighter version of the original color is **40.4597, 24.5435, 28.5915**, and **7.0686, 3.5847, 3.0087** is the 20% darker color. If you saturate the color by 10%, you get **18.5526, 9.3361, 11.1771**, and if you desaturate by 10%, it is **19.1127, 9.8815, 13.1354**.

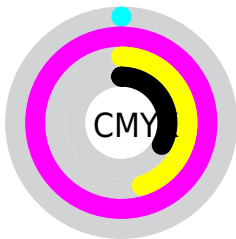
Distribution



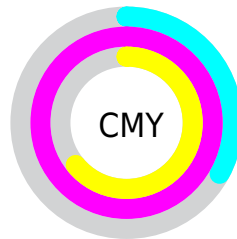
- Red (67%)
- Green (0%)
- Blue (36%)



- Red (67%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5533, 9.3364, 11.1802 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 18.5533, 9.3364, 11.1802 by changing the saturation by 10% instead.


 18.5533, 9.3364,
11.1802


 18.5533, 9.3364,
11.1802


236.9572,
185.8680, 209.6813


 11.4500, 4.9612,
6.0725


 40.5006, 24.5396,
28.6346


 6.4399, 2.2245,
2.8197


 56.0754, 36.1365,
41.8184


 3.1576, 0.7333,
1.0033

 75.2048, 50.9094,
58.5313

 1.2376, 0.0000,
0.0000

 98.2540, 69.2427,
79.1919

 0.1358, 0.0000,
0.0000

 125.5885, 91.5208,
104.2186

 0.0000, 0.0000,
0.0000

 157.5737,

118.1281, 134.0301

194.5748,
149.4490, 169.0448

■ 18.5533, 9.3364,
11.1802

■ 18.5533, 9.3364,
11.1802

■ 18.5526, 9.3361,
11.1771

■ 19.1127, 9.8815,
13.1354

■ 19.8786, 10.7830,
15.3337

■ 20.9210, 12.1796,
17.8030

■ 22.2721, 14.1341,
20.5586

■ 23.9594, 16.7001,
23.6138

■ 26.0071, 19.9247,
26.9809

■ 28.4371, 23.8504,
30.6712

■ 31.2694, 28.5161,
34.6951

■ 34.5228, 33.9578,
39.0628

Harmonies

Analogous

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



16.7121, 9.3364, 26.5003



18.5533, 9.3364, 11.1802



17.2407, 9.3364, 3.1898

Triad

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



18.5533, 9.3364, 11.1802



5.8801, 9.3364, 0.4850



5.4400, 9.3364, 40.6545

Complementary

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



18.5533, 9.3364, 11.1802



15.7156, 29.2856, 11.8509

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.



3.7767, 9.3364, 23.4060



18.5533, 9.3364, 11.1802



3.9742, 9.3364, 2.4668

Square

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



18.5533, 9.3364, 11.1802



9.2215, 9.3364, 0.0000



3.3302, 9.3364, 9.2146



8.5353, 9.3364, 49.6579

Rectangle

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



18.5533, 9.3364, 11.1802



14.9169, 9.3364, 1.1739



3.3302, 9.3364, 9.2146



4.7332, 9.3364, 35.2113

Sweetspot

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



18.5536, 9.3369, 11.1803



51.3299, 42.8394, 55.2582



10.2776, 4.4606, 38.3492



11.0285, 8.8742, 11.6982



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5536, 9.3369, 11.1803



33.5509, 16.8950, 19.6941



16.6245, 8.5653, 1.0220



7.6963, 7.6084, 8.7180



13.6761, 6.8791, 8.3717



0.3580, 0.1775, 0.3368

Inverse Universe

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



18.5536, 9.3369, 11.1803



33.5509, 16.8950, 19.6941



20.8523, 31.3403, 38.9005



7.6963, 7.6084, 8.7180



13.6761, 6.8791, 8.3717



0.3580, 0.1775, 0.3368

Previews

White Background



This preview shows how the XYZ color 18.5533, 9.3364, 11.1802 looks on a white background.

Color Contrast Check

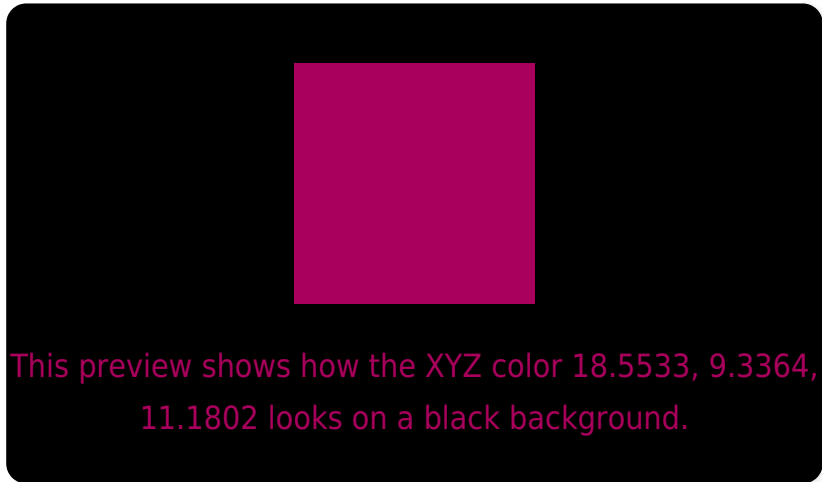
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5533, 9.3364, 11.1802

Background



This preview shows how black text looks on a background with the XYZ color 18.5533, 9.3364, 11.1802.



This preview shows how white text looks on a background with the XYZ color 18.5533, 9.3364,

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

18.5533, 9.3364, 11.1802

Protanopia

10.5405, 10.1171, 23.9515

Deuteranopia

10.1531, 9.9801, 10.1953



Tritanopia

16.9318, 9.6722, 2.7248

Trichromacy



Original Color

18.5533, 9.3364, 11.1802

Protanomaly

10.9283, 7.3484, 18.2952

Deuteranomaly

11.6268, 7.8136, 10.3466

Tritanomaly

17.2136, 9.2735, 4.7536

Monochromacy



Original Color

18.5533, 9.3364, 11.1802

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.2949, 4.6988, 6.8258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5533, 9.3364, 11.1802 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(170, 0, 93)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 93)  
}
```

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(170, 0, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 93) }
```

Border

The CSS property to change the border of an element to XYZ 18.5533, 9.3364, 11.1802 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(170, 0, 93) }
```


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

```
.border{ border-color:rgb(170, 0, 93) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 93);  
box-shadow:4px 4px 4px 4px rgb(170, 0, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5533, 9.3364, 11.1802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 93) }
```

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

```
.background{ background-color: rgb(170, 0,  
93) }
```

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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