

Converting Colors

XYZ(18.5767, 9.3457, 11.3032)

Have a look what the booklet for
XYZ(18.5767, 9.3457, 11.3032)
contains.

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Color

**XYZ(18.5979, 9.3542,
11.4150)**

Conversions

Conversions Part 1

Format	Color
Hex	AA005E
RGB	170, 0, 94
RGB Percent	67%, 0%, 37%
CMY	0.3333, 0.9999, 0.6314
CMYK	0.00, 1.00, 0.45, 0.33
HSL	327°, 100%, 33%
HSV	327°, 100%, 67%
XYZ	18.5979, 9.3542, 11.4150
YIQ	61.5460, 71.1460, 65.2740

Conversions

Conversions Part 2

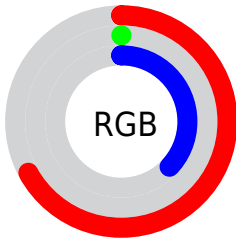
Format	Color
R _Y B	170, 0, 94
Decimal	11141214
CIE Lab	36.66, 63.30, -3.52
CIE LCh	37, 63.402, 356.821
Yxy	9.3542, 0.4724, 0.2376
Android (android.graphics.Color)	4289331294 (0xFFAA005E)
YUV	61.5460, 15.9998, 95.1142
Hunter-Lab	30.5846, 55.0191, -0.7194

Details

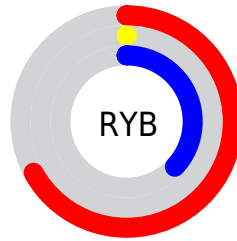
The XYZ color **18.5979, 9.3542, 11.4150** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.6804, 29.2716, 11.6659**, and the grayscale version is **4.4862, 4.7198, 5.1399**.

A 20% lighter version of the original color is **40.5358, 24.5739, 28.9923**, and **7.2156, 3.6581, 3.1221** is the 20% darker color. If you saturate the color by 10%, you get **18.5973, 9.3539, 11.4122**, and if you desaturate by 10%, it is **19.1569, 9.8992, 13.3680**.

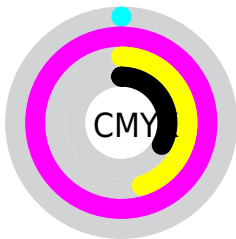
Distribution



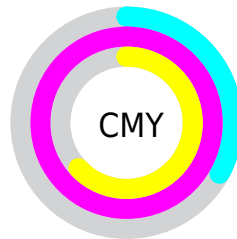
- Red (67%)
- Green (0%)
- Blue (37%)



- Red (67%)
- Yellow (0%)
- Blue (37%)



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



- Cyan (33%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5979, 9.3542, 11.4150 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 18.5979, 9.3542, 11.4150 by changing the saturation by 10% instead.


 18.5979, 9.3542,
11.4150


 18.5979, 9.3542,
11.4150


237.2008,
185.9987, 211.3316


 11.4824, 4.9729,
6.2290


 40.5757, 24.5735,
29.0733


 6.4619, 2.2314,
2.9138


 56.1686, 36.1804,
42.3828

 3.1713, 0.7370,
1.0508

 75.3181, 50.9645,
59.2372

 1.2450, 0.0000,
0.0000

 98.3895, 69.3103,
80.0550

 0.1414, 0.0000,
0.0000

 125.7481, 91.6023,
105.2548

 0.0000, 0.0000,
0.0000

 157.7593,

118.2247, 135.2552

194.7884,
149.5621, 170.4746

■ 18.5979, 9.3542,
11.4150

■ 18.5979, 9.3542,
11.4150

■ 18.5973, 9.3539,
11.4122

■ 19.1569, 9.8992,
13.3680

■ 19.9215, 10.8001,
15.5599

■ 20.9618, 12.1958,
18.0184

■ 22.3100, 14.1490,
20.7585

■ 23.9934, 16.7134,
23.7934

■ 26.0362, 19.9359,
27.1351

■ 28.4603, 23.8592,
30.7948

■ 31.2858, 28.5220,
34.7829

■ 34.5313, 33.9605,
39.1091

Harmonies

Analogous

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



16.6984, 9.3542, 26.8942



18.5979, 9.3542, 11.4150



17.3354, 9.3542, 3.2723

Triad

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



18.5979, 9.3542, 11.4150



5.9350, 9.3542, 0.4629



5.4050, 9.3542, 40.5168

Complementary

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



18.5979, 9.3542, 11.4150



15.6804, 29.2716, 11.6659

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.



3.7615, 9.3542, 23.1653



18.5979, 9.3542, 11.4150



3.9992, 9.3542, 2.4019

Square

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



18.5979, 9.3542, 11.4150



9.3105, 9.3542, 0.0000



3.3336, 9.3542, 9.0469



8.4840, 9.3542, 49.7991

Rectangle

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



18.5979, 9.3542, 11.4150



15.0259, 9.3542, 1.2038



3.3336, 9.3542, 9.0469



4.7049, 9.3542, 35.0144

Sweetspot

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



18.5982, 9.3547, 11.4151



51.3733, 42.8567, 55.4868



10.0556, 4.3461, 38.3389



11.0392, 8.8785, 11.7544



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.



18.5982, 9.3547, 11.4151



33.6318, 16.9273, 20.1205



16.6403, 8.5716, 1.1051



7.6981, 7.6091, 8.7277



13.7089, 6.8923, 8.5446



0.3587, 0.1778, 0.3405

Inverse Universe

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



18.5982, 9.3547, 11.4151



33.6318, 16.9273, 20.1205



20.6042, 31.2412, 37.5943



7.6981, 7.6091, 8.7277



13.7089, 6.8923, 8.5446



0.3587, 0.1778, 0.3405

Previews

White Background



This preview shows how the XYZ color 18.5979, 9.3542, 11.4150 looks on a white background.

Color Contrast Check

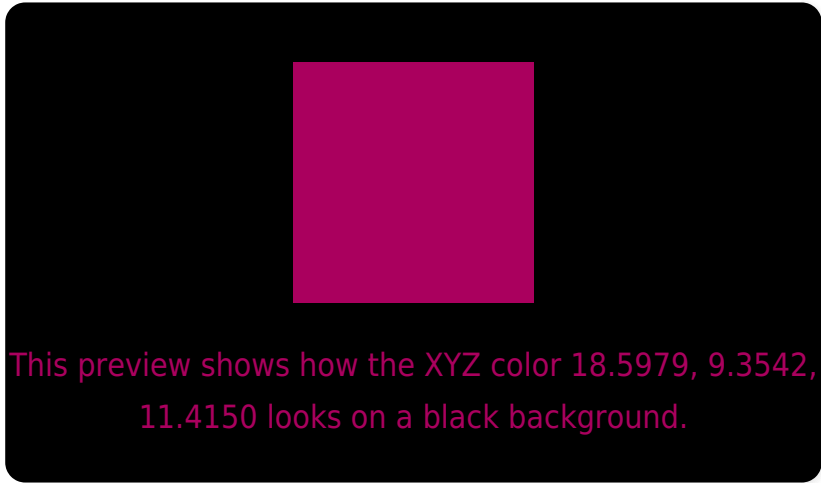
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5979, 9.3542, 11.4150

Background



This preview shows how black text looks on a background with the XYZ color 18.5979, 9.3542, 11.4150.



This preview shows how white text looks on a background with the XYZ color 18.5979, 9.3542,

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

18.5979, 9.3542, 11.4150

Protanopia

10.5354, 10.1064, 24.3171

Deuteranopia

10.0851, 9.9404, 10.4040



Tritanopia

16.9478, 9.6786, 2.8086

Trichromacy



Original Color

18.5979, 9.3542, 11.4150

Protanomaly

10.9887, 7.3726, 18.6132

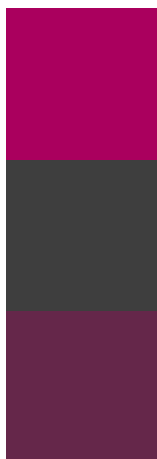
Deuteranomaly

11.5238, 7.7556, 10.5625

Tritanomaly

17.2388, 9.2836, 4.8863

Monochromacy



Original Color

18.5979, 9.3542, 11.4150

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.3284, 4.7122, 7.0019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5979, 9.3542, 11.4150 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 94) }
```

Border

The CSS property to change the border of an element to XYZ 18.5979, 9.3542, 11.4150 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, 94) }
```


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

```
.border{ border-color:rgb(170, 0, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(170, 0, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5979, 9.3542, 11.4150 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, 94) }
```

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

```
.background{ background-color: rgb(170, 0,  
94) }
```

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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