

Converting Colors

XYZ(18.5592, 11.6319, 36.0114)

Have a look what the booklet for
XYZ(18.5592, 11.6319, 36.0114)
contains.

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Color

**XYZ(18.4928, 11.5758,
35.9100)**

Conversions

Conversions Part 1

Format	Color
Hex	8741A3
RGB	135, 65, 163
RGB Percent	53%, 25%, 64%
CMY	0.4706, 0.7451, 0.3608
CMYK	0.17, 0.60, 0.00, 0.36
HSL	283°, 43%, 45%
HSV	283°, 60%, 64%
XYZ	18.4928, 11.5758, 35.9100
YIQ	97.1020, 10.2620, 45.3180

Conversions

Conversions Part 2

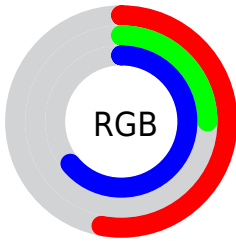
Format	Color
R_{YB}	135, 65, 163
Decimal	8864163
CIE _{Lab}	40.53, 46.05, -40.71
CIE _{LCh}	41, 61.463, 318.522
Yxy	11.5758, 0.2803, 0.1754
Android (android.graphics.Color)	4287054243 (0xFF8741A3)
YUV	97.1020, 32.4877, 33.2365
Hunter-Lab	34.0232, 37.4803, -38.7617

Details

The XYZ color **18.4928, 11.5758, 35.9100** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **18.5658, 28.9034, 9.6018**, and the grayscale version is **11.3087, 11.8976, 12.9565**.

A 20% lighter version of the original color is **40.5020, 28.8609, 69.7657**, and **6.4466, 3.1369, 15.3046** is the 20% darker color. If you saturate the color by 10%, you get **16.9557, 9.5893, 35.6078**, and if you desaturate by 10%, it is **20.3336, 14.1201, 36.3043**.

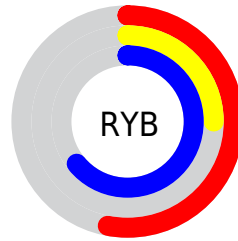
Distribution



Red (53%)

Green (25%)

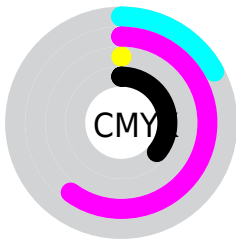
Blue (64%)



Red (53%)

Yellow (25%)

Blue (64%)

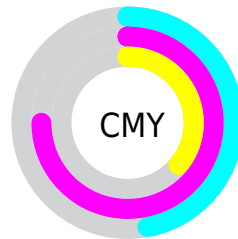


Cyan (17%)

Magenta (60%)

Yellow (0%)

Black (36%)



Cyan (47%)

Magenta (75%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4928, 11.5758, 35.9100 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 18.4928, 11.5758, 35.9100 by changing the saturation by 10% instead.

■ 18.4928, 11.5758,
35.9100

■ 18.4928, 11.5758,
35.9100

236.6265,
201.5764, 343.5925

■ 11.4062, 6.4555,
24.0756

■ 40.3988, 28.7201,
70.0606

■ 6.4100, 3.1240,
15.1770

■ 55.9489, 41.5130,
93.2139

■ 3.1390, 1.1968,
8.7957

■ 75.0509, 57.6321,
120.9771

■ 1.2277, 0.0591,
4.5132

■ 98.0701, 77.4620,
153.7689

■ 0.1281, 0.0000,
1.9109

■ 125.3719,
101.3869, 192.0078

■ 0.0000, 0.0000,
0.4996

157.3217,

■ 0.0000, 0.0000,

129.7914, 236.1124

0.0000

194.2848,
163.0597, 286.5011

■ 18.4928, 11.5758,
35.9100

■ 18.4928, 11.5758,
35.9100

■ 16.9557, 9.5893,
35.6078

■ 20.3336, 14.1201,
36.3043

■ 15.6965, 8.1111,
35.3888

■ 22.4983, 17.2633,
36.7969

■ 14.6871, 7.0851,
35.2440

■ 25.0067, 21.0440,
37.3944

■ 13.8706, 6.3869,
35.1522

■ 27.8766, 25.4974,
38.1027

■ 31.1245, 30.6557,
38.9272

■ 34.7659, 36.5494,
39.8729

■ 38.8152, 43.2069,
40.9445

■ 43.2864, 50.6552,
42.1465

■ 48.1923, 58.9201,
43.4832

Harmonies

Analogous

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



13.8647, 11.5758, 51.4239



18.4928, 11.5758, 35.9100



21.3442, 11.5758, 17.9690

Triad

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



18.4928, 11.5758, 35.9100



12.7437, 11.5758, 0.6748



4.8458, 11.5758, 21.7967

Complementary

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



18.4928, 11.5758, 35.9100



18.5658, 28.9034, 9.6018

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.



4.6942, 11.5758, 8.4299



18.4928, 11.5758, 35.9100



8.5640, 11.5758, 0.8115

Square

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



18.4928, 11.5758, 35.9100



17.4891, 11.5758, 1.8508



5.8695, 11.5758, 2.4893



6.3582, 11.5758, 40.2357

Rectangle

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



18.4928, 11.5758, 35.9100



21.4604, 11.5758, 9.3907



5.8695, 11.5758, 2.4893



4.6520, 11.5758, 16.4777

Sweetspot

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



18.4933, 11.5763, 35.9103



50.9137, 47.2205, 68.4871



12.8296, 11.8453, 36.2607



11.0900, 10.0632, 15.2954



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.4933, 11.5763, 35.9103



29.5892, 16.2278, 63.6289



21.9831, 13.5628, 27.6053



7.1662, 7.1000, 8.8958



10.8262, 4.9876, 27.3219



0.2703, 0.1269, 0.5761

Inverse Universe

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



18.9706, 12.3578, 11.7417



31.0662, 18.0753, 14.6311



16.9013, 27.9680, 13.0193



7.1531, 7.1177, 7.7927



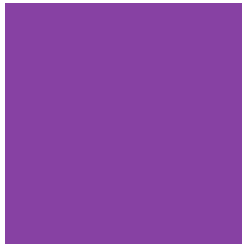
12.1483, 6.2154, 2.7058



0.2746, 0.1383, 0.1587

Previews

White Background



This preview shows how the XYZ color 18.4928, 11.5758, 35.9100 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



This preview shows how the XYZ color 18.4928, 11.5758, 35.9100 looks on a 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 18.4928, 11.5758, 35.9100

Background



This preview shows how black text looks on a background with the XYZ color 18.4928, 11.5758, 35.9100.



This preview shows how white text looks on a background with the XYZ color 18.4928, 11.5758,

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

18.4928, 11.5758, 35.9100

Protanopia

13.9140, 11.8974, 50.8533

Deuteranopia

12.0136, 11.6996, 33.5234



Tritanopia

13.4924, 11.5548, 11.6444

Trichromacy



Original Color

18.4928, 11.5758, 35.9100

Protanomaly

13.8880, 10.7879, 45.0664

Deuteranomaly

13.3443, 10.9786, 34.2167

Tritanomaly

14.8965, 11.3460, 18.5444

Monochromacy



Original Color

18.4928, 11.5758, 35.9100

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.2552, 11.2570, 19.5633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4928, 11.5758, 35.9100 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(135, 65, 163)` looks like.

```
.text, #text, p{  
    color:rgb(135, 65, 163)  
}
```

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(135, 65, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 65, 163) }
```

Border

The CSS property to change the border of an element to XYZ 18.4928, 11.5758, 35.9100 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(135, 65, 163) }
```


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

```
.border{ border-color:rgb(135, 65, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 65, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 65, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 65, 163);  
box-shadow:4px 4px 4px 4px rgb(135, 65,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4928, 11.5758, 35.9100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 65, 163) }
```

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

```
.background{ background-color: rgb(135, 65,  
163) }
```

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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