

Converting Colors

XYZ(18.8188, 11.2556, 36.5241)

Have a look what the booklet for
XYZ(18.8188, 11.2556, 36.5241)
contains.

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Color

**XYZ(18.7460, 11.2115,
36.2980)**

Conversions

Conversions Part 1

Format	Color
Hex	8A3BA4
RGB	138, 59, 164
RGB Percent	54%, 23%, 64%
CMY	0.4588, 0.7686, 0.3569
CMYK	0.16, 0.64, 0.00, 0.36
HSL	285°, 47%, 44%
HSV	285°, 64%, 64%
XYZ	18.7460, 11.2115, 36.2980
YIQ	94.5910, 13.3790, 49.4030

Conversions

Conversions Part 2

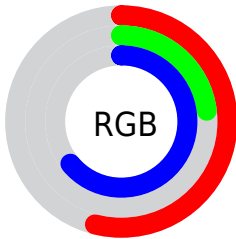
Format	Color
R_{YB}	138, 59, 164
Decimal	9059236
CIE _{Lab}	39.93, 49.95, -42.24
CIE _{LCh}	40, 65.413, 319.781
Yxy	11.2115, 0.2829, 0.1692
Android (android.graphics.Color)	4287249316 (0xFF8A3BA4)
YUV	94.5910, 34.2186, 38.0697
Hunter-Lab	33.4836, 41.3381, -40.8350

Details

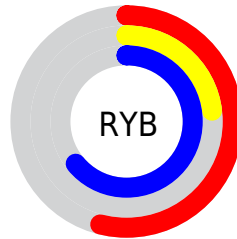
The XYZ color **18.7460, 11.2115, 36.2980** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.8115, 28.7983, 8.7579**, and the grayscale version is **10.6989, 11.2560, 12.2578**.

A 20% lighter version of the original color is **40.8508, 28.0055, 70.9627**, and **6.5254, 3.0325, 15.2803** is the 20% darker color. If you saturate the color by 10%, you get **17.3724, 9.4428, 36.0292**, and if you desaturate by 10%, it is **20.4104, 13.5236, 36.6567**.

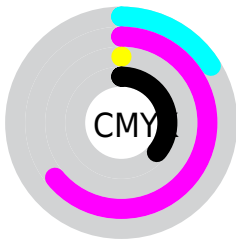
Distribution



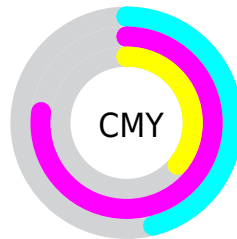
- Red (54%)
- Green (23%)
- Blue (64%)



- Red (54%)
- Yellow (23%)
- Blue (64%)



- Cyan (16%)
- Magenta (64%)
- Yellow (0%)
- Black (36%)



- Cyan (46%)
- Magenta (77%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7460, 11.2115, 36.2980 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 18.7460, 11.2115, 36.2980 by changing the saturation by 10% instead.

■ 18.7460, 11.2115,
36.2980

■ 18.7460, 11.2115,
36.2980

■ 238.0080,
199.1129, 345.3379

■ 11.5898, 6.2093,
24.3729

■ 40.8247, 28.0506,
70.6660

■ 6.5352, 2.9727,
15.3957

■ 56.4778, 40.6563,
93.9460

■ 3.2169, 1.1175,
8.9479

■ 75.6940, 56.5652,
121.8480

■ 1.2695, 0.0000,
4.6109

■ 98.8386, 76.1618,
154.7907

■ 0.1602, 0.0000,
1.9661

■ 126.2770, 99.8305,
193.1924

■ 0.0000, 0.0000,
0.5343

■ 158.3744,

■ 0.0000, 0.0000,

127.9557, 237.4719

0.0000

195.4963,
160.9216, 288.0475

■ 18.7460, 11.2115,
36.2980

■ 18.7460, 11.2115,
36.2980

■ 17.3724, 9.4428,
36.0292

■ 20.4104, 13.5236,
36.6567

■ 16.2622, 8.1645,
35.8410

■ 22.3870, 16.4228,
37.1122

■ 15.3848, 7.3150,
35.7232

■ 24.6965, 19.9498,
37.6712

■ 14.9254, 6.9202,
35.6713

■ 27.3574, 24.1413,
38.3400

■ 30.3870, 29.0311,
39.1242

■ 33.8011, 34.6508,
40.0289

■ 37.6146, 41.0297,
41.0592

■ 41.8418, 48.1959,
42.2196

■ 46.4959, 56.1759,
43.5146

Harmonies

Analogous

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



13.8693, 11.2115, 53.6756



18.7460, 11.2115, 36.2980



21.6742, 11.2115, 17.1661

Triad

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



18.7460, 11.2115, 36.2980



12.2703, 11.2115, 0.3130



4.4008, 11.2115, 22.6914

Complementary

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



18.7460, 11.2115, 36.2980



17.8115, 28.7983, 8.7579

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.



4.1966, 11.2115, 8.3094



18.7460, 11.2115, 36.2980



7.9821, 11.2115, 0.5103

Square

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



18.7460, 11.2115, 36.2980



17.2953, 11.2115, 1.3676



5.3106, 11.2115, 2.1671



5.9794, 11.2115, 42.6950

Rectangle

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



18.7460, 11.2115, 36.2980



21.6927, 11.2115, 8.4551



5.3106, 11.2115, 2.1671



4.1904, 11.2115, 16.9322

Sweetspot

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



18.7465, 11.2120, 36.2982



52.1386, 47.8000, 70.2306



11.7731, 10.1470, 36.4602



11.0786, 9.9356, 15.2714



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.



18.7465, 11.2120, 36.2982



30.5859, 16.0095, 65.2304



21.4435, 12.8485, 25.3002



7.1922, 7.1135, 8.8970



11.4888, 5.3292, 27.3529



0.2803, 0.1321, 0.5766

Inverse Universe

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



18.5138, 11.6767, 9.8727



30.7494, 17.2852, 11.4123



16.7291, 28.1409, 13.1970



7.1424, 7.1134, 7.7361



12.0571, 6.1789, 2.2255



0.2709, 0.1368, 0.1391

Previews

White Background



This preview shows how the XYZ color 18.7460, 11.2115, 36.2980 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 18.7460, 11.2115, 36.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

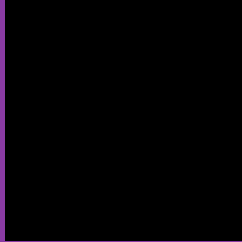
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7460, 11.2115, 36.2980

Background



This preview shows how black text looks on a background with the XYZ color 18.7460, 11.2115, 36.2980.

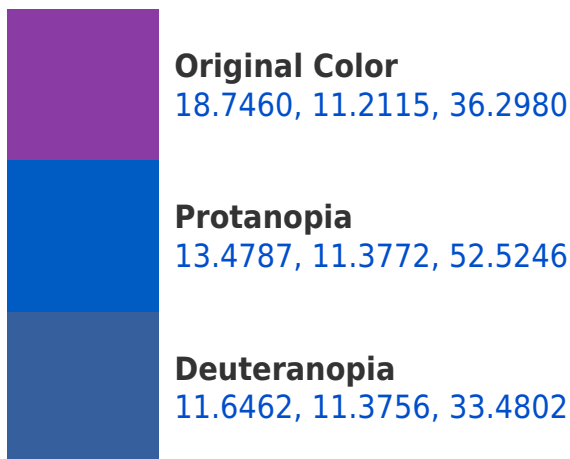


This preview shows how white text looks on a background with the XYZ color 18.7460, 11.2115,

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





Tritanopia

13.5311, 11.2512, 10.6910

Trichromacy



Original Color

18.7460, 11.2115, 36.2980



Protanomaly

12.6586, 9.6890, 46.0027



Deuteranomaly

13.0186, 10.4575, 34.5900



Tritanomaly

14.9612, 10.9838, 17.8545

Monochromacy



Original Color

18.7460, 11.2115, 36.2980



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

12.9630, 10.7702, 19.1649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7460, 11.2115, 36.2980 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(138, 59, 164)` looks like.

```
.text, #text, p{  
    color:rgb(138, 59, 164)  
}
```

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(138, 59, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 59, 164) }
```

Border

The CSS property to change the border of an element to XYZ 18.7460, 11.2115, 36.2980 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(138, 59, 164) }
```


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

```
.border{ border-color:rgb(138, 59, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 59, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 59, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 59, 164);  
box-shadow:4px 4px 4px 4px rgb(138, 59,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7460, 11.2115, 36.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 59, 164) }
```

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

```
.background{ background-color: rgb(138, 59,  
164) }
```

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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