

Converting Colors

XYZ(11.8750, 6.2224, 18.6864)

Have a look what the booklet for
XYZ(11.8750, 6.2224, 18.6864)
contains.

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Color

**XYZ(11.8039, 6.1713,
18.6582)**

Conversions

Conversions Part 1

Format	Color
Hex	7A1879
RGB	122, 24, 121
RGB Percent	48%, 9%, 47%
CMY	0.5216, 0.9059, 0.5255
CMYK	0.00, 0.80, 0.01, 0.52
HSL	301°, 67%, 29%
HSV	301°, 80%, 48%
XYZ	11.8039, 6.1713, 18.6582
YIQ	64.3600, 27.2710, 50.9430

Conversions

Conversions Part 2

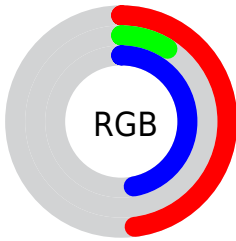
Format	Color
R_{YB}	122, 24, 121
Decimal	8001657
CIE Lab	29.84, 51.87, -32.05
CIE LCh	30, 60.974, 328.287
Yxy	6.1713, 0.3222, 0.1685
Android (android.graphics.Color)	4286191737 (0xFF7A1879)
YUV	64.3600, 27.9235, 50.5503
Hunter-Lab	24.8421, 41.3419, -27.1416

Details

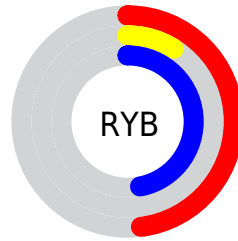
The XYZ color **11.8039, 6.1713, 18.6582** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **7.5120, 14.1838, 3.2618**, and the grayscale version is **4.8841, 5.1384, 5.5958**.

A 20% lighter version of the original color is **28.7139, 18.2880, 42.0609**, and **3.6239, 1.7331, 6.2744** is the 20% darker color. If you saturate the color by 10%, you get **11.5989, 5.7733, 18.5522**, and if you desaturate by 10%, it is **12.1221, 6.7954, 18.8021**.

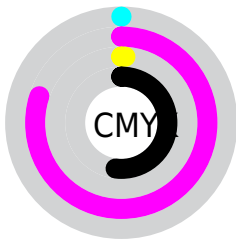
Distribution



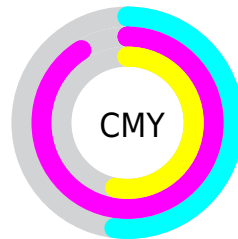
- Red (48%)
- Green (9%)
- Blue (47%)



- Red (48%)
- Yellow (9%)
- Blue (47%)



- Cyan (0%)
- Magenta (80%)
- Yellow (1%)
- Black (52%)



- Cyan (52%)
- Magenta (91%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8039, 6.1713, 18.6582 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 11.8039, 6.1713, 18.6582 by changing the saturation by 10% instead.

■ 11.8039, 6.1713,
18.6582

■ 11.8039, 6.1713,
18.6582

196.8992,
160.5886, 256.9148

■ 6.6815, 2.9495,
11.2493

■ 28.7574, 18.2855,
41.9847

■ 3.3083, 1.1054,
6.1185

■ 41.3193, 27.9467,
58.7394

■ 1.3188, 0.0000,
2.8473

■ 57.0917, 40.5232,
79.4463

■ 0.1972, 0.0000,
1.0172


■ 76.4400, 56.3994,
104.5241


■ 0.0000, 0.0000,
0.0000

■ 99.7295, 75.9596,
134.3914


■ 127.3257, 99.5883,


169.4665


 159.5938,
127.6698, 210.1682

 11.8039, 6.1713,
18.6582


 11.8039, 6.1713,
18.6582


 11.5989, 5.7733,
18.5522


 12.1221, 6.7954,
18.8021

 11.4624, 5.5121,
18.4703

 12.5663, 7.6714,
18.9879

 13.1481, 8.8228,
19.2197

 13.8778, 10.2699,
19.5008

 14.7646, 12.0312,
19.8343

■ 15.8171, 14.1239,
20.2231

■ 17.0431, 16.5635,
20.6698

■ 18.4500, 19.3650,
21.1769

■ 20.0448, 22.5422,
21.7466

Harmonies

Analogous

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



8.8336, 6.1713, 31.8247



11.8039, 6.1713, 18.6582



13.1399, 6.1713, 7.1953

Triad

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



11.8039, 6.1713, 18.6582



6.0295, 6.1713, 0.0000



2.2655, 6.1713, 17.1119

Complementary

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



11.8039, 6.1713, 18.6582



7.5120, 14.1838, 3.2618

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.



1.9399, 6.1713, 6.2652



11.8039, 6.1713, 18.6582



3.6503, 6.1713, 0.0000

Square

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



11.8039, 6.1713, 18.6582



9.2083, 6.1713, 0.0000



2.3527, 6.1713, 1.4116



3.4491, 6.1713, 30.5313

Rectangle

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



11.8039, 6.1713, 18.6582



12.6800, 6.1713, 2.9257



2.3527, 6.1713, 1.4116



2.0728, 6.1713, 12.8758

Sweetspot

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



11.8041, 6.1716, 18.6583



27.0023, 23.2085, 35.2746



4.2164, 2.2528, 18.6254



6.0535, 5.0668, 8.0210



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.8041, 6.1716, 18.6583



20.2363, 9.8355, 32.5289



9.5556, 5.2722, 6.8178



4.1528, 4.0768, 5.0024



12.0676, 5.8032, 19.4448



57.5432, 27.6736, 92.6454

Inverse Universe

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



11.8041, 6.1716, 18.6583



20.2363, 9.8355, 32.5289



8.5392, 14.5947, 8.6708



4.1528, 4.0768, 5.0024



12.0676, 5.8032, 19.4448



57.5432, 27.6736, 92.6454

Previews

White Background



This preview shows how the XYZ color 11.8039, 6.1713, 18.6582 looks on a white background.

Color Contrast Check

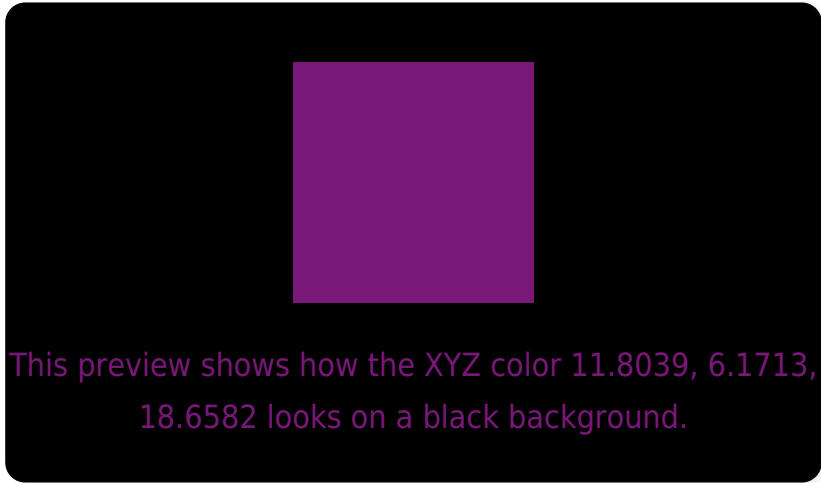
Large Text (above 18pt) WCAG AA ✓ Pass

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

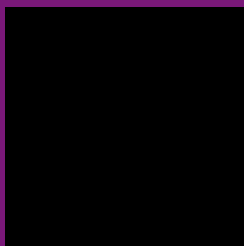
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8039, 6.1713, 18.6582

Background



This preview shows how black text looks on a background with the XYZ color 11.8039, 6.1713, 18.6582.



This preview shows how white text looks on a background with the XYZ color 11.8039, 6.1713,

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

11.8039, 6.1713, 18.6582

Protanopia

7.3946, 6.3628, 28.4422

Deuteranopia

6.5736, 6.4780, 16.8235



Tritanopia

8.9436, 6.2883, 4.3568

Trichromacy



Original Color

11.8039, 6.1713, 18.6582

Protanomaly

6.8993, 4.9167, 24.6301

Deuteranomaly

7.4787, 5.5126, 17.4995

Tritanomaly

9.6754, 6.0019, 8.0457

Monochromacy



Original Color

11.8039, 6.1713, 18.6582

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

6.4843, 4.7838, 9.1759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8039, 6.1713, 18.6582 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(122, 24, 121)` looks like.

```
.text, #text, p{  
  color:rgb(122, 24, 121)  
}
```

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(122, 24, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 24, 121) }
```

Border

The CSS property to change the border of an element to XYZ 11.8039, 6.1713, 18.6582 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(122, 24, 121) }
```


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

```
.border{ border-color:rgb(122, 24, 121) }
```

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

Here you see how a box with a 4 pixel rgb(122, 24, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 24, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 24, 121);  
box-shadow:4px 4px 4px 4px rgb(122, 24,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8039, 6.1713, 18.6582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 24, 121) }
```

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

```
.background{ background-color: rgb(122, 24,  
121) }
```

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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