

Converting Colors

XYZ(11.8649, 5.7221, 18.3774)

Have a look what the booklet for
XYZ(11.8649, 5.7221, 18.3774)
contains.

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Color

**XYZ(11.8476, 5.7160,
18.2482)**

Conversions

Conversions Part 1

Format	Color
Hex	7D0078
RGB	125, 0, 120
RGB Percent	49%, 0%, 47%
CMY	0.5098, 1.0000, 0.5294
CMYK	0.00, 1.00, 0.04, 0.51
HSL	302°, 100%, 25%
HSV	302°, 100%, 49%
XYZ	11.8476, 5.7160, 18.2482
YIQ	51.0550, 35.9800, 63.8200

Conversions

Conversions Part 2

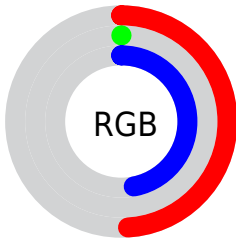
Format	Color
R_{YB}	125, 0, 120
Decimal	8192120
CIE Lab	28.68, 57.16, -33.23
CIE LCh	29, 66.117, 329.832
Yxy	5.7160, 0.3308, 0.1596
Android (android.graphics.Color)	4286382200 (0xFF7D0078)
YUV	51.0550, 33.9899, 64.8498
Hunter-Lab	23.9082, 46.6157, -28.5181

Details

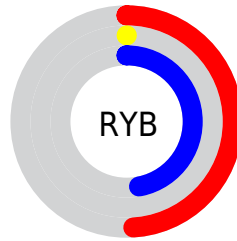
The XYZ color **11.8476, 5.7160, 18.2482** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **7.3612, 14.6784, 2.5891**, and the grayscale version is **3.1124, 3.2745, 3.5660**.

A 20% lighter version of the original color is **28.8521, 17.3474, 41.3629**, and **3.7359, 1.7945, 6.1107** is the 20% darker color. If you saturate the color by 10%, you get **11.8477, 5.7161, 18.2482**, and if you desaturate by 10%, it is **12.0159, 6.0037, 18.4545**.

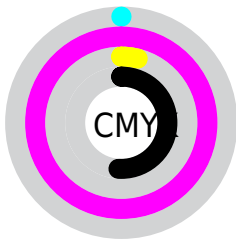
Distribution



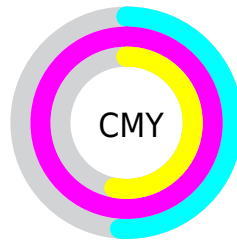
- Red (49%)
- Green (0%)
- Blue (47%)



- Red (49%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (51%)



- Cyan (51%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8476, 5.7160, 18.2482 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 11.8476, 5.7160, 18.2482 by changing the saturation by 10% instead.

■ 11.8476, 5.7160,
18.2482

■ 11.8476, 5.7160,
18.2482

197.1843,
156.5227, 254.5493

■ 6.7114, 2.6732,
10.9570

■ 28.8365, 17.3390,
41.2794

■ 3.3270, 0.9636,
5.9242

■ 41.4200, 26.6879,
57.8566

■ 1.3290, 0.0000,
2.7310

■ 57.2166, 38.9077,
78.3662

■ 0.2047, 0.0000,
0.9590


■ 76.5917, 54.3827,
103.2267

■ 0.0000, 0.0000,
0.0000

■ 99.9107, 73.4973,
132.8568

■ 127.5389, 96.6359,


167.6748

 159.8416,
124.1829, 208.0995


 11.8476, 5.7160,
18.2482


 11.8476, 5.7160,
18.2482


 11.8477, 5.7161,
18.2482

 12.0159, 6.0037,
18.4545

 12.2566, 6.4361,
18.6856

 12.6170, 7.1078,
18.9575

 13.1114, 8.0471,
19.2748

 13.7519, 9.2784,
19.6415

■ 14.5494, 10.8234,
20.0614

■ 15.5136, 12.7016,
20.5377

■ 16.6537, 14.9312,
21.0734

■ 17.9778, 17.5288,
21.6712

Harmonies

Analogous

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



8.7185, 5.7160, 33.0402



11.8476, 5.7160, 18.2482



13.1682, 5.7160, 6.2709

Triad

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



11.8476, 5.7160, 18.2482



5.4493, 5.7160, 0.0000



1.8812, 5.7160, 18.0819

Complementary

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



11.8476, 5.7160, 18.2482



7.3612, 14.6784, 2.5891

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.



1.5388, 5.7160, 6.1769



11.8476, 5.7160, 18.2482



3.0979, 5.7160, 0.0000

Square

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



11.8476, 5.7160, 18.2482



8.7575, 5.7160, 0.0000



1.8893, 5.7160, 1.1449



3.0784, 5.7160, 32.8973

Rectangle

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



11.8476, 5.7160, 18.2482



12.5785, 5.7160, 2.2167



1.8893, 5.7160, 1.1449



1.6864, 5.7160, 13.3963

Sweetspot

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



11.8478, 5.7163, 18.2483



27.6440, 22.4782, 36.7116



3.7541, 1.5078, 19.4955



6.1467, 4.8375, 8.2817



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.8478, 5.7163, 18.2483



21.2030, 10.2308, 32.6085



9.2300, 4.6691, 4.4630



4.4910, 4.4095, 5.3899



12.3647, 5.9656, 19.0421



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.8478, 5.7163, 18.2483



21.2030, 10.2308, 32.6085



8.3371, 15.0688, 7.7277



4.4910, 4.4095, 5.3899



12.3647, 5.9656, 19.0421



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.8476, 5.7160, 18.2482 looks on a white background.

Color Contrast Check

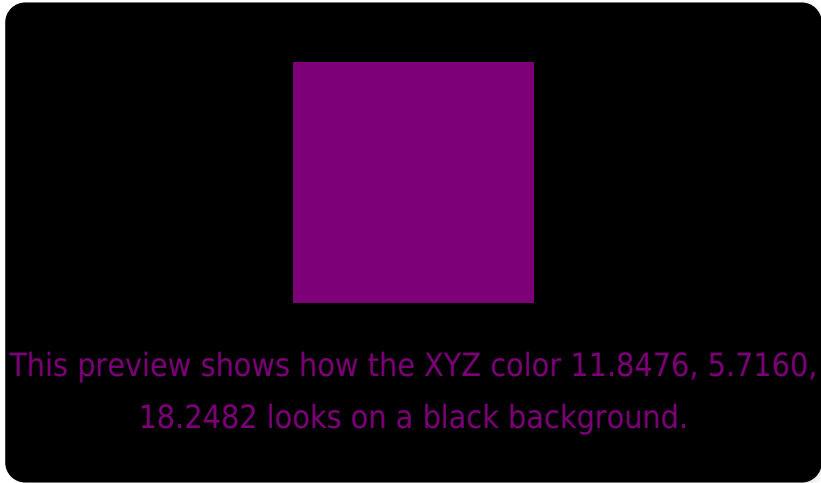
Large Text (above 18pt) WCAG AA ✓ Pass

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

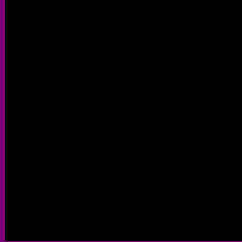
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8476, 5.7160, 18.2482

Background



This preview shows how black text looks on a background with the XYZ color 11.8476, 5.7160, 18.2482.



This preview shows how white text looks on a background with the XYZ color 11.8476, 5.7160,

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

11.8476, 5.7160, 18.2482

Protanopia

7.2390, 6.3006, 27.6227

Deuteranopia

6.4062, 6.3031, 16.5018



Tritanopia

9.0635, 6.1149, 3.7202

Trichromacy



Original Color

11.8476, 5.7160, 18.2482

Protanomaly

6.4268, 4.1368, 23.7523

Deuteranomaly

6.9924, 4.6336, 17.0488

Tritanomaly

9.6194, 5.5015, 7.2115

Monochromacy



Original Color

11.8476, 5.7160, 18.2482

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9629, 3.1745, 7.1886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8476, 5.7160, 18.2482 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(125, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 120)  
}
```

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(125, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 120) }
```

Border

The CSS property to change the border of an element to XYZ 11.8476, 5.7160, 18.2482 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(125, 0, 120) }
```


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

```
.border{ border-color:rgb(125, 0, 120) }
```

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

Here you see how a box with a 4 pixel rgb(125, 0, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(125, 0,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8476, 5.7160, 18.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 120) }
```

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

```
.background{ background-color: rgb(125, 0,  
120) }
```

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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