

Converting Colors

XYZ(11.7810, 6.1641, 6.8334)

Have a look what the booklet for
XYZ(11.7810, 6.1641, 6.8334)
contains.

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Color

**XYZ(11.8409, 6.1984,
6.8757)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0E49
RGB	138, 14, 73
RGB Percent	54%, 5%, 29%
CMY	0.4588, 0.9450, 0.7137
CMYK	0.00, 0.90, 0.47, 0.46
HSL	331°, 82%, 30%
HSV	331°, 90%, 54%
XYZ	11.8409, 6.1984, 6.8757
YIQ	57.8020, 54.9650, 44.6370

Conversions

Conversions Part 2

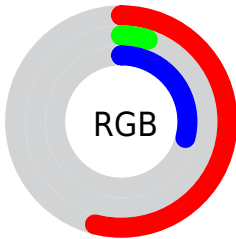
Format	Color
R_{YB}	138, 14, 73
Decimal	9047625
CIE _{Lab}	29.91, 51.84, -0.49
CIE _{LCh}	30, 51.844, 359.456
Yxy	6.1984, 0.4753, 0.2488
Android (android.graphics.Color)	4287237705 (0xFF8A0E49)
YUV	57.8020, 7.4926, 70.3336
Hunter-Lab	24.8966, 41.3262, 1.0535

Details

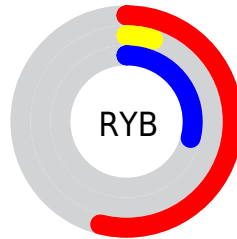
The XYZ color **11.8409, 6.1984, 6.8757** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.6816, 18.8351, 10.4722**, and the grayscale version is **3.9814, 4.1887, 4.5615**.

A 20% lighter version of the original color is **28.8006, 18.2851, 20.1006**, and **3.7140, 1.8876, 1.3969** is the 20% darker color. If you saturate the color by 10%, you get **11.4600, 5.7985, 5.6333**, and if you desaturate by 10%, it is **12.3488, 6.8076, 8.2982**.

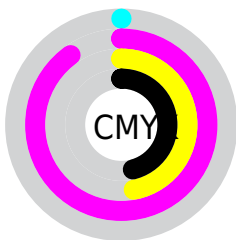
Distribution



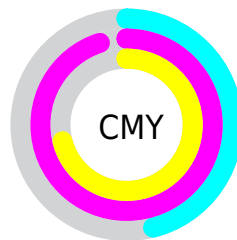
- Red (54%)
- Green (5%)
- Blue (29%)



- Red (54%)
- Yellow (5%)
- Blue (29%)



- Cyan (0%)
- Magenta (90%)
- Yellow (47%)
- Black (46%)





- Cyan (46%)
- Magenta (95%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.8409, 6.1984, 6.8757 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 11.8409, 6.1984, 6.8757 by changing the saturation by 10% instead.


 11.8409, 6.1984,
6.8757


 11.8409, 6.1984,
6.8757


197.1406,
160.8263, 176.2184


 6.7069, 2.9661,
3.3072


 28.8244, 18.3414,
20.2313


 3.3241, 1.1141,
1.2536

 41.4045, 28.0209,
30.8555


 1.3274, 0.0000,
0.0233

 57.1974, 40.6182,
44.6687

 0.2036, 0.0000,
0.0000

 76.5684, 56.5178,
62.0894

 0.0000, 0.0000,
0.0000

 99.8829, 76.1040,
83.5362

 127.5062, 99.7612,

109.4276

159.8037,
127.8739, 140.1822

11.8409, 6.1984,
6.8757

11.8409, 6.1984,
6.8757

11.4600, 5.7985,
5.6333

12.3488, 6.8076,
8.2982

11.4544, 5.7926,
5.6153

13.0351, 7.7277,
9.9223

13.9193, 8.9960,
11.7589

15.0178, 10.6439,
13.8175

16.3452, 12.6997,
16.1068

■ 17.9149, 15.1887,
18.6352

■ 19.7391, 18.1342,
21.4104

■ 21.8292, 21.5578,
24.4397

■ 24.1959, 25.4798,
27.7301

Harmonies

Analogous

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



10.8471, 6.1984, 15.9810



11.8409, 6.1984, 6.8757



10.9132, 6.1984, 2.1025

Triad

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



11.8409, 6.1984, 6.8757



3.8950, 6.1984, 0.4490



3.8375, 6.1984, 25.8252

Complementary

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



11.8409, 6.1984, 6.8757



10.6816, 18.8351, 10.4722

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.



2.7092, 6.1984, 15.5967



11.8409, 6.1984, 6.8757



2.7355, 6.1984, 2.0039

Square

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



11.8409, 6.1984, 6.8757



5.9355, 6.1984, 0.0000



2.3681, 6.1984, 6.6239



5.8475, 6.1984, 30.5923

Rectangle

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



11.8409, 6.1984, 6.8757



9.4432, 6.1984, 0.8507



2.3681, 6.1984, 6.6239



3.3649, 6.1984, 22.6751

Sweetspot

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



11.8411, 6.1988, 6.8758



32.2674, 27.8784, 33.9188



7.8926, 3.7722, 24.3569



7.0415, 5.9389, 7.3029



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.8411, 6.1988, 6.8758



20.1116, 10.1789, 9.4828



10.7471, 5.8080, 0.9706



5.1255, 5.0856, 5.7491



10.5094, 5.3139, 5.1868



0.0771, 0.0382, 0.0730

Inverse Universe

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



11.8411, 6.1988, 6.8758



20.1116, 10.1789, 9.4828



13.5636, 19.5181, 27.0973



5.1255, 5.0856, 5.7491



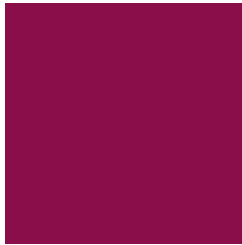
10.5094, 5.3139, 5.1868



0.0771, 0.0382, 0.0730

Previews

White Background



This preview shows how the XYZ color 11.8409, 6.1984, 6.8757 looks on a white background.

Color Contrast Check

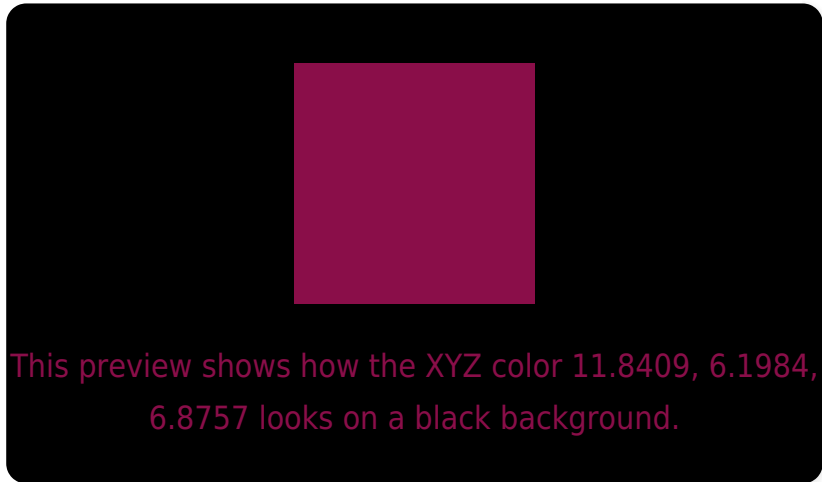
Large Text (above 18pt) WCAG AA ✓ Pass

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

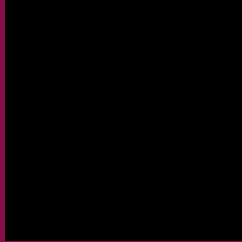
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8409, 6.1984, 6.8757

Background



This preview shows how black text looks on a background with the XYZ color 11.8409, 6.1984, 6.8757.



This preview shows how white text looks on a background with the XYZ color 11.8409, 6.1984,

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

11.8409, 6.1984, 6.8757

Protanopia

6.8660, 6.6910, 14.0263

Deuteranopia

6.6830, 6.5794, 6.2279



Tritanopia

10.9040, 6.3185, 2.0114

Trichromacy



Original Color

11.8409, 6.1984, 6.8757

Protanomaly

7.3761, 5.3316, 10.9963

Deuteranomaly

7.6943, 5.5357, 6.2932

Tritanomaly

11.1772, 6.2189, 3.3006

Monochromacy



Original Color

11.8409, 6.1984, 6.8757

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

5.6556, 4.0410, 5.1845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8409, 6.1984, 6.8757 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, 14, 73)` looks like.

```
.text, #text, p{  
    color:rgb(138, 14, 73)  
}
```

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, 14, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 14, 73) }
```

Border

The CSS property to change the border of an element to XYZ 11.8409, 6.1984, 6.8757 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, 14, 73) }
```


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

```
.border{ border-color:rgb(138, 14, 73) }
```

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

Here you see how a box with a 4 pixel rgb(138, 14, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 14, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 14, 73);  
box-shadow:4px 4px 4px 4px rgb(138, 14,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8409, 6.1984, 6.8757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 14, 73) }
```

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

```
.background{ background-color: rgb(138, 14,  
73) }
```

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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