

Converting Colors

XYZ(17.9935, 13.3765, 38.8261)

Have a look what the booklet for
XYZ(17.9935, 13.3765, 38.8261)
contains.

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Color

**XYZ(18.0034, 13.4047,
38.6843)**

Conversions

Conversions Part 1

Format	Color
Hex	7756A8
RGB	119, 86, 168
RGB Percent	47%, 34%, 66%
CMY	0.5333, 0.6627, 0.3412
CMYK	0.29, 0.49, 0.00, 0.34
HSL	264°, 32%, 50%
HSV	264°, 49%, 66%
XYZ	18.0034, 13.4047, 38.6843
YIQ	105.2150, -6.6540, 32.4980

Conversions

Conversions Part 2

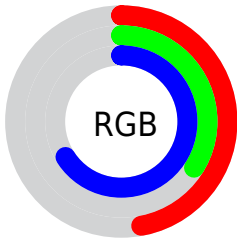
Format	Color
R_{YB}	119, 86, 168
Decimal	7820968
CIE _{Lab}	43.37, 31.26, -39.30
CIE _{LCh}	43, 50.212, 308.502
Yxy	13.4047, 0.2569, 0.1912
Android (android.graphics.Color)	4286011048 (0xFF7756A8)
YUV	105.2150, 30.9530, 12.0894
Hunter-Lab	36.6124, 23.7019, -37.0165

Details

The XYZ color **18.0034, 13.4047, 38.6843** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **25.6744, 33.8284, 13.9810**, and the grayscale version is **13.4060, 14.1041, 15.3594**.

A 20% lighter version of the original color is **39.6338, 32.1574, 74.6391**, and **6.1348, 3.8821, 16.6456** is the 20% darker color. If you saturate the color by 10%, you get **15.5106, 10.3572, 38.2277**, and if you desaturate by 10%, it is **20.9580, 17.1588, 39.2534**.

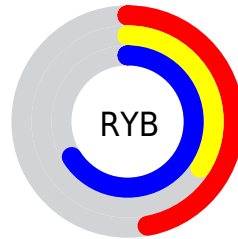
Distribution



Red (47%)

Green (34%)

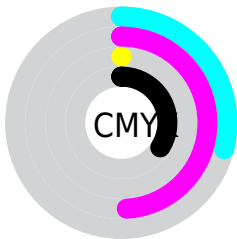
Blue (66%)



Red (47%)

Yellow (34%)

Blue (66%)

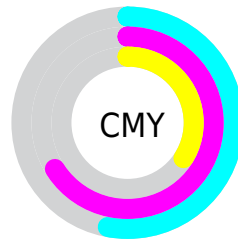


Cyan (29%)

Magenta (49%)

Yellow (0%)

Black (34%)



Cyan (53%)

Magenta (66%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0034, 13.4047, 38.6843 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 18.0034, 13.4047, 38.6843 by changing the saturation by 10% instead.

■ 18.0034, 13.4047,
38.6843

■ 18.0034, 13.4047,
38.6843

233.9354,
213.4953, 355.9322

■ 11.0521, 7.7078,
26.2083

■ 39.5732, 32.0290,
74.3708

■ 6.1695, 3.9086,
16.7524

■ 54.9224, 45.7251,
98.4184

■ 2.9900, 1.6225,
9.8980

■ 73.8016, 62.8565,
127.1602

■ 1.1485, 0.3727,
5.2267

■ 96.5762, 83.8075,
161.0148

■ 0.0651, 0.0000,
2.3198

■ 123.6115,
108.9624, 200.4008

■ 0.0000, 0.0000,
0.7423

155.2729,

■ 0.0000, 0.0000,

138.7058, 245.7367

0.0000

191.9258,
173.4220, 297.4410

■ 18.0034, 13.4047,
38.6843

■ 18.0034, 13.4047,
38.6843

■ 15.5106, 10.3572,
38.2277

■ 20.9580, 17.1588,
39.2534

■ 13.4512, 7.9676,
37.8750

■ 24.3975, 21.6606,
39.9411

■ 11.7956, 6.1831,
37.6178

■ 28.3450, 26.9499,
40.7540

■ 10.5091, 4.9419,
37.4461

■ 32.8218, 33.0631,
41.6980

■ 9.5302, 4.1288,
37.3407

■ 37.8476, 40.0345,
42.7787

■ 9.4247, 4.0422,
37.3295

■ 43.4414, 47.8960,
44.0013

■ 49.6211, 56.6784,
45.3708

■ 56.4036, 66.4104,
46.8918

■ 63.8054, 77.1200,
48.5688

Harmonies

Analogous

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



13.8820, 13.4047, 47.8124



18.0034, 13.4047, 38.6843



21.0706, 13.4047, 23.9671

Triad

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



18.0034, 13.4047, 38.6843



15.6917, 13.4047, 2.3442



6.6695, 13.4047, 18.0068

Complementary

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



18.0034, 13.4047, 38.6843



25.6744, 33.8284, 13.9810

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.



6.9590, 13.4047, 8.0541



18.0034, 13.4047, 38.6843



11.6638, 13.4047, 1.9917

Square

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



18.0034, 13.4047, 38.6843



19.5577, 13.4047, 4.8915



8.6188, 13.4047, 3.4132



7.7265, 13.4047, 32.4666

Rectangle

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



18.0034, 13.4047, 38.6843



21.8051, 13.4047, 15.1643



8.6188, 13.4047, 3.4132



6.6178, 13.4047, 14.0410

Sweetspot

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



18.0039, 13.4052, 38.6846



54.1943, 52.6493, 74.5311



19.5980, 22.1899, 40.2962



11.4658, 11.0045, 16.1719



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.0039, 13.4052, 38.6846



27.6271, 18.1773, 69.2776



24.8533, 16.9362, 39.0052



7.4069, 7.4424, 9.4645



7.1721, 3.0808, 28.1921



0.2326, 0.1049, 0.6886

Inverse Universe

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



23.8498, 16.7302, 24.8943



39.9489, 25.2028, 39.4296



20.3194, 31.0678, 13.7304



7.7122, 7.6147, 8.8015



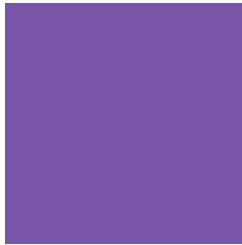
13.9719, 6.9975, 9.9293



0.3642, 0.1800, 0.3695

Previews

White Background



This preview shows how the XYZ color 18.0034, 13.4047, 38.6843 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 18.0034, 13.4047, 38.6843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

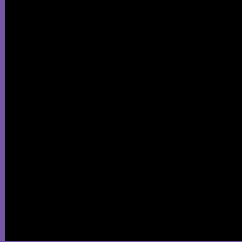
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0034, 13.4047, 38.6843

Background



This preview shows how black text looks on a background with the XYZ color 18.0034, 13.4047, 38.6843.



This preview shows how white text looks on a background with the XYZ color 18.0034, 13.4047,

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

18.0034, 13.4047, 38.6843

Protanopia

15.0776, 13.5744, 45.5415

Deuteranopia

13.8658, 13.5741, 37.0112



Tritanopia

13.4483, 13.3852, 16.0622

Trichromacy



Original Color

18.0034, 13.4047, 38.6843

Protanomaly

15.6750, 13.2503, 42.8057

Deuteranomaly

14.9040, 13.2444, 37.3682

Tritanomaly

14.8036, 13.2409, 22.8946

Monochromacy



Original Color

18.0034, 13.4047, 38.6843

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.6944, 13.6089, 22.2744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0034, 13.4047, 38.6843 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(119, 86, 168)` looks like.

```
.text, #text, p{  
    color:rgb(119, 86, 168)  
}
```

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(119, 86, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 86, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.0034, 13.4047, 38.6843 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(119, 86, 168) }
```


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

```
.border{ border-color:rgb(119, 86, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 86, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 86, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 86, 168);  
box-shadow:4px 4px 4px 4px rgb(119, 86,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0034, 13.4047, 38.6843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 86, 168) }
```

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

```
.background{ background-color: rgb(119, 86,  
168) }
```

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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