

Converting Colors

XYZ(37.5032, 18.2680, 18.0737)

Have a look what the booklet for
XYZ(37.5032, 18.2680, 18.0737)
contains.

XYZ(38.0774, 19.2655, 18.2347)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.0774, 19.2655,
18.2347)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0074
RGB	237, 0, 116
RGB Percent	93%, 0%, 45%
CMY	0.0706, 0.9998, 0.5451
CMYK	0.00, 1.00, 0.51, 0.07
HSL	331°, 100%, 46%
HSV	331°, 100%, 93%
XYZ	38.0774, 19.2655, 18.2347
YIQ	84.0870, 104.0160, 86.3200

Conversions

Conversions Part 2

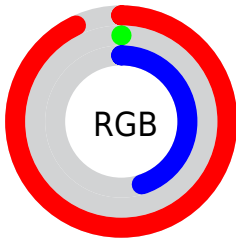
Format	Color
R_{YB}	237, 0, 116
Decimal	15532148
CIE _{Lab}	51.00, 79.81, 5.27
CIE _{LCh}	51, 79.989, 3.778
Yxy	19.2655, 0.5038, 0.2549
Android (android.graphics.Color)	4293722228 (0xFFED0074)
YUV	84.0870, 15.7331, 134.1047
Hunter-Lab	43.8925, 78.0396, 6.0933

Details

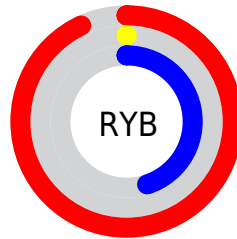
The XYZ color **38.0774, 19.2655, 18.2347** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **33.7395, 61.9503, 28.2870**, and the grayscale version is **8.4049, 8.8426, 9.6296**.

A 20% lighter version of the original color is **52.4001, 32.2716, 40.5130**, and **18.4989, 9.4160, 6.3113** is the 20% darker color. If you saturate the color by 10%, you get **38.0755, 19.2647, 18.2256**, and if you desaturate by 10%, it is **39.1496, 20.2090, 22.2950**.

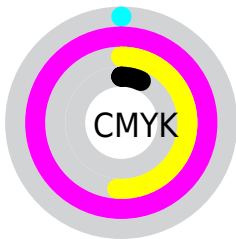
Distribution



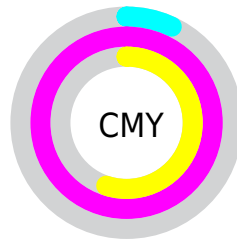
- Red (93%)
- Green (0%)
- Blue (45%)



- Red (93%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0774, 19.2655, 18.2347 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 38.0774, 19.2655, 18.2347 by changing the saturation by 10% instead.


 38.0774, 19.2655,
18.2347


 38.0774, 19.2655,
18.2347


329.2270,
247.9106, 254.4710


 26.2203, 11.8623,
10.9474


 71.5299, 42.1823,
41.2562


 17.1220, 6.6500,
5.9178


 93.8559, 58.4646,
57.8275


 10.4174, 3.2442,
2.7272


 120.4023, 78.4754,
78.3305

 5.7409, 1.2605,
0.9571

 151.5344,
102.5991, 103.1839

 2.7274, 0.1103,
0.0000

 187.6176,
131.2200, 132.8060

 1.0113, 0.0000,
0.0000

 229.0172,

 0.0000, 0.0000,

164.7227, 167.6156

0.0000

276.0985,
203.4914, 208.0311

■ 38.0774, 19.2655,
18.2347

■ 38.0774, 19.2655,
18.2347

■ 38.0755, 19.2647,
18.2256

■ 39.1496, 20.2090,
22.2950

■ 40.7086, 21.9738,
26.9865

■ 42.8810, 24.8082,
32.3670

■ 45.7424, 28.8586,
38.4767

■ 49.3567, 34.2481,
45.3510

■ 53.7802, 41.0849,
53.0224

■ 59.0632, 49.4655,
61.5210

■ 65.2522, 59.4785,
70.8747

■ 72.3898, 71.2054,
81.1102

Harmonies

Analogous

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



35.6343, 19.2655, 46.7244



38.0774, 19.2655, 18.2347



34.0944, 19.2655, 4.8795

Triad

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



38.0774, 19.2655, 18.2347



11.0874, 19.2655, 1.6036



12.3772, 19.2655, 89.3838

Complementary

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



38.0774, 19.2655, 18.2347



33.7395, 61.9503, 28.2870

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.



8.3521, 19.2655, 55.7298



38.0774, 19.2655, 18.2347



7.7720, 19.2655, 7.0124

Square

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



38.0774, 19.2655, 18.2347



17.3269, 19.2655, 0.5670



6.9380, 19.2655, 23.9810



19.3322, 19.2655, 101.4259

Rectangle

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



38.0774, 19.2655, 18.2347



28.8548, 19.2655, 1.8035



6.9380, 19.2655, 23.9810



10.7112, 19.2655, 79.4290

Sweetspot

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



38.0779, 19.2667, 18.2350



69.6461, 58.2546, 72.4942



22.8299, 10.0043, 80.8481



14.3160, 11.5256, 14.5829



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.0779, 19.2667, 18.2350



44.9275, 22.7350, 21.3483



34.9258, 18.0058, 1.6364



15.3727, 15.1769, 17.2477



20.8539, 10.5442, 10.2979



1.6860, 0.8474, 1.0639

Inverse Universe

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



38.0779, 19.2667, 18.2350



44.9275, 22.7350, 21.3483



45.5707, 66.6828, 90.5896



15.3727, 15.1769, 17.2477



20.8539, 10.5442, 10.2979



1.6860, 0.8474, 1.0639

Previews

White Background



This preview shows how the XYZ color 38.0774, 19.2655, 18.2347 looks on a white background.

Color Contrast Check

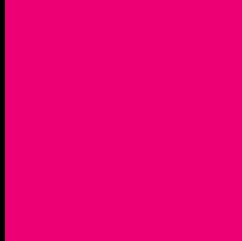
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.0774, 19.2655, 18.2347 looks on a black 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

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

XYZ 38.0774, 19.2655, 18.2347

Background



This preview shows how black text looks on a background with the XYZ color 38.0774, 19.2655, 18.2347.



This preview shows how white text looks on a background with the XYZ color 38.0774, 19.2655,

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

38.0774, 19.2655, 18.2347

Protanopia

20.4578, 20.0612, 39.8397

Deuteranopia

20.0645, 19.6602, 16.3730



Tritanopia

35.4018, 19.6437, 4.5105

Trichromacy



Original Color

38.0774, 19.2655, 18.2347



Protanomaly

21.8595, 14.6866, 30.1164



Deuteranomaly

23.2350, 15.3880, 16.4974



Tritanomaly

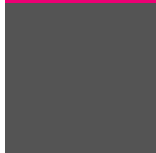
35.8376, 18.9958, 7.7389

Monochromacy



Original Color

38.0774, 19.2655, 18.2347



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.1996, 8.9662, 12.0486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0774, 19.2655, 18.2347 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(237, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 116)  
}
```

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(237, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 116) }
```

Border

The CSS property to change the border of an element to XYZ 38.0774, 19.2655, 18.2347 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(237, 0, 116) }
```


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

```
.border{ border-color:rgb(237, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0774, 19.2655, 18.2347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 116) }
```

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

```
.background{ background-color: rgb(237, 0,  
116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor