

Converting Colors

XYZ(38.1695, 19.3641, 18.3568)

Have a look what the booklet for
XYZ(38.1695, 19.3641, 18.3568)
contains.

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Color

**XYZ(38.1100, 19.3306,
18.2456)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0374
RGB	237, 3, 116
RGB Percent	93%, 1%, 45%
CMY	0.0706, 0.9880, 0.5451
CMYK	0.00, 0.99, 0.51, 0.07
HSL	331°, 97%, 47%
HSV	331°, 99%, 93%
XYZ	38.1100, 19.3306, 18.2456
YIQ	85.8480, 103.1910, 84.7510

Conversions

Conversions Part 2

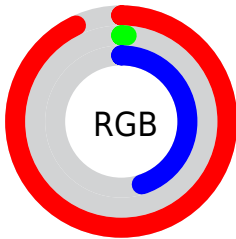
Format	Color
R_{YB}	237, 3, 116
Decimal	15532916
CIE _{Lab}	51.07, 79.60, 5.38
CIE _{LCh}	51, 79.777, 3.866
Yxy	19.3306, 0.5035, 0.2554
Android (android.graphics.Color)	4293722996 (0xFFED0374)
YUV	85.8480, 14.8649, 132.5603
Hunter-Lab	43.9666, 77.7814, 6.1720

Details

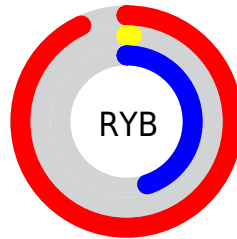
The XYZ color **38.1100, 19.3306, 18.2456** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **33.9639, 62.0445, 29.2727**, and the grayscale version is **8.7739, 9.2308, 10.0523**.

A 20% lighter version of the original color is **52.4908, 32.4529, 40.5433**, and **18.4989, 9.4160, 6.3113** is the 20% darker color. If you saturate the color by 10%, you get **37.9862, 19.2289, 17.7547**, and if you desaturate by 10%, it is **39.2246, 20.3425, 22.3705**.

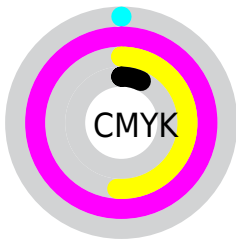
Distribution



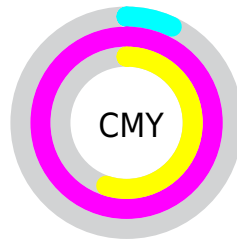
- Red (93%)
- Green (1%)
- Blue (45%)



- Red (93%)
- Yellow (1%)
- Blue (45%)



- Cyan (0%)
- Magenta (99%)
- Yellow (51%)
- Black (7%)





- Cyan (7%)
- Magenta (99%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1100, 19.3306, 18.2456 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 38.1100, 19.3306, 18.2456 by changing the saturation by 10% instead.


 38.1100, 19.3306,
18.2456


 38.1100, 19.3306,
18.2456


329.3643,
248.2678, 254.5342


 26.2457, 11.9094,
10.9552


 71.5795, 42.2920,
41.2750


 17.1412, 6.6820,
5.9229


 93.9154, 58.6010,
57.8510


 10.4311, 3.2640,
2.7302


 120.4726, 78.6414,
78.3593

 5.7502, 1.2711,
0.9586

 151.6163,
102.7975, 103.2185

 2.7330, 0.1187,
0.0000

 187.7120,
131.4538, 132.8470

 1.0142, 0.0000,
0.0000

 229.1250,

 0.0000, 0.0000,

164.9947, 167.6634

0.0000

276.2206,
203.8046, 208.0863

■ 38.1100, 19.3306,
18.2456

■ 38.1100, 19.3306,
18.2456

■ 37.9862, 19.2289,
17.7547

■ 39.2246, 20.3425,
22.3705

■ 40.8569, 22.2336,
27.1492

■ 43.1153, 25.2153,
32.6340

■ 46.0736, 29.4306,
38.8651

■ 49.7948, 35.0006,
45.8781

■ 54.3344, 42.0314,
53.7059

■ 59.7424, 50.6190,
62.3786

■ 66.0646, 60.8506,
71.9247

■ 73.3437, 72.8072,
82.3711

Harmonies

Analogous

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



35.6902, 19.3306, 46.6562



38.1100, 19.3306, 18.2456



34.1176, 19.3306, 4.9097

Triad

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



38.1100, 19.3306, 18.2456



11.1340, 19.3306, 1.6407



12.4548, 19.3306, 89.3747

Complementary

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



38.1100, 19.3306, 18.2456



33.9639, 62.0445, 29.2727

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.



8.4164, 19.3306, 55.8486



38.1100, 19.3306, 18.2456



7.8217, 19.3306, 7.1003

Square

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



38.1100, 19.3306, 18.2456



17.3667, 19.3306, 0.5914



6.9924, 19.3306, 24.1230



19.4177, 19.3306, 101.2861

Rectangle

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



38.1100, 19.3306, 18.2456



28.8808, 19.3306, 1.8279



6.9924, 19.3306, 24.1230



10.7844, 19.3306, 79.4701

Sweetspot

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



38.1105, 19.3318, 18.2459



69.5815, 58.2287, 72.1541



23.6208, 10.4604, 80.8946



14.3008, 11.5195, 14.5026



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.



38.1105, 19.3318, 18.2459



44.8221, 22.6928, 20.7929



35.0172, 18.1621, 1.7478



15.3684, 15.1752, 17.2254



20.8048, 10.5246, 10.0394



1.6821, 0.8458, 1.0433

Inverse Universe

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



38.1105, 19.3318, 18.2459



44.8221, 22.6928, 20.7929



44.4916, 64.4689, 90.2193



15.3684, 15.1752, 17.2254



20.8048, 10.5246, 10.0394



1.6821, 0.8458, 1.0433

Previews

White Background



This preview shows how the XYZ color 38.1100, 19.3306, 18.2456 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 38.1100, 19.3306, 18.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

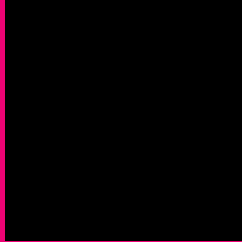
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.1100, 19.3306, 18.2456

Background



This preview shows how black text looks on a background with the XYZ color 38.1100, 19.3306, 18.2456.



This preview shows how white text looks on a background with the XYZ color 38.1100, 19.3306,

18.2456.

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

38.1100, 19.3306, 18.2456

Protanopia

20.4578, 20.0612, 39.8397

Deuteranopia

20.1828, 19.8970, 16.4124



Tritanopia

35.4018, 19.6437, 4.5105

Trichromacy



Original Color

38.1100, 19.3306, 18.2456



Protanomaly

21.9311, 14.8298, 30.1403



Deuteranomaly

23.3728, 15.6636, 16.5434



Tritanomaly

35.8626, 19.0456, 7.7472

Monochromacy



Original Color

38.1100, 19.3306, 18.2456



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.5563, 9.3541, 12.3476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1100, 19.3306, 18.2456 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, 3, 116)` looks like.

```
.text, #text, p{  
  color:rgb(237, 3, 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, 3, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 3, 116) }
```

Border

The CSS property to change the border of an element to XYZ 38.1100, 19.3306, 18.2456 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, 3, 116) }
```


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

```
.border{ border-color:rgb(237, 3, 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, 3, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 3, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 3, 116);  
box-shadow:4px 4px 4px 4px rgb(237, 3,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1100, 19.3306, 18.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 3, 116) }
```

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

```
.background{ background-color: rgb(237, 3,  
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](#).

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