

Converting Colors

XYZ(38.3797, 20.4569, 18.1454)

Have a look what the booklet for
XYZ(38.3797, 20.4569, 18.1454)
contains.

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Color

**XYZ(38.3797, 20.4569,
18.1454)**

Conversions

Conversions Part 1

Format	Color
Hex	EC2673
RGB	236, 38, 115
RGB Percent	93%, 15%, 45%
CMY	0.0745, 0.8509, 0.5490
CMYK	0.00, 0.84, 0.51, 0.07
HSL	337°, 84%, 54%
HSV	337°, 84%, 93%
XYZ	38.3797, 20.4569, 18.1454
YIQ	105.9800, 93.2910, 65.9230

Conversions

Conversions Part 2

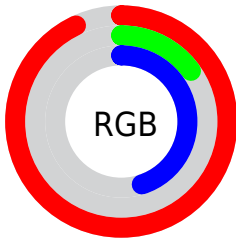
Format	Color
R_{YB}	236, 38, 115
Decimal	15476339
CIE _{Lab}	52.35, 74.95, 7.78
CIE _{LCh}	52, 75.357, 5.929
Yxy	20.4569, 0.4986, 0.2657
Android (android.graphics.Color)	4293666419 (0xFFEC2673)
YUV	105.9800, 4.4469, 114.0275
Hunter-Lab	45.2293, 72.3164, 7.8741

Details

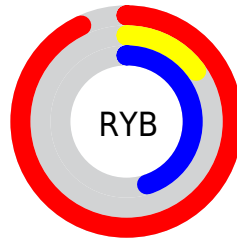
The XYZ color **38.3797, 20.4569, 18.1454** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **37.0551, 62.9070, 42.9988**, and the grayscale version is **13.6670, 14.3787, 15.6584**.

A 20% lighter version of the original color is **53.4727, 34.5654, 40.4127**, and **18.2770, 9.3016, 6.3009** is the 20% darker color. If you saturate the color by 10%, you get **37.0830, 19.0896, 13.9337**, and if you desaturate by 10%, it is **40.2847, 22.8331, 23.2009**.

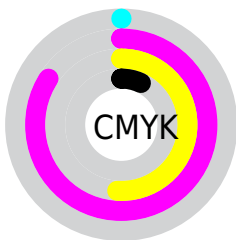
Distribution



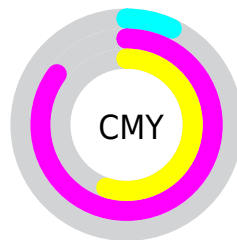
- Red (93%)
- Green (15%)
- Blue (45%)



- Red (93%)
- Yellow (15%)
- Blue (45%)



- Cyan (0%)
- Magenta (84%)
- Yellow (51%)
- Black (7%)





- Cyan (7%)
- Magenta (85%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3797, 20.4569, 18.1454 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 38.3797, 20.4569, 18.1454 by changing the saturation by 10% instead.


 38.3797, 20.4569,
18.1454


 38.3797, 20.4569,
18.1454


330.4987,
254.3780, 253.9529


 26.4561, 12.7276,
10.8839


 71.9899, 44.1819,
41.1022


 17.2996, 7.2412,
5.8756

 94.4072, 60.9464,
57.6346


 10.5450, 3.6134,
2.7020


 121.0531, 81.4914,
78.0944

 5.8268, 1.4598,
0.9445

 152.2929,
106.2013, 102.9001

 2.7797, 0.2601,
0.0000

 188.4920,
135.4605, 132.4702

 1.0384, 0.0000,
0.0000

230.0158,

 0.0000, 0.0000,

169.6534, 167.2234

0.0000

277.2296,
209.1644, 207.5781

■ 38.3797, 20.4569,
18.1454

■ 38.3797, 20.4569,
18.1454

■ 37.0830, 19.0896,
13.9337

■ 40.2847, 22.8331,
23.2009

■ 36.5134, 18.6014,
11.7371

■ 42.8802, 26.3734,
29.1550

■ 46.2363, 31.2096,
36.0574

■ 50.4135, 37.4547,
43.9528

■ 55.4660, 45.2092,
52.8830

61.4430, 54.5645,
62.8867

68.3899, 65.6045,
74.0007

76.3493, 78.4073,
86.2597

85.3608, 93.0461,
99.6969

Harmonies

Analogous

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



36.4954, 20.4569, 44.6430



38.3797, 20.4569, 18.1454



34.2002, 20.4569, 5.4322

Triad

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



38.3797, 20.4569, 18.1454



11.9371, 20.4569, 2.4974



13.9710, 20.4569, 88.4998

Complementary

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



38.3797, 20.4569, 18.1454



37.0551, 62.9070, 42.9988

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.



9.6918, 20.4569, 57.9320



38.3797, 20.4569, 18.1454



8.7548, 20.4569, 8.9962

Square

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



38.3797, 20.4569, 18.1454



17.9429, 20.4569, 1.0739



8.0588, 20.4569, 26.9859



21.0259, 20.4569, 97.5391

Rectangle

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



38.3797, 20.4569, 18.1454



29.0571, 20.4569, 2.3171



8.0588, 20.4569, 26.9859



12.2257, 20.4569, 79.7279

Sweetspot

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



38.3802, 20.4581, 18.1457



72.3250, 63.5906, 73.4537



29.7011, 14.5924, 80.6078



14.9252, 12.7389, 14.8016



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.



38.3802, 20.4581, 18.1457



43.4994, 22.1638, 13.8278



36.4460, 20.9806, 3.9641



15.3079, 15.1510, 16.9069



20.1859, 10.2770, 6.7802



1.6310, 0.8254, 0.7742

Inverse Universe

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



38.3802, 20.4581, 18.1457



43.4994, 22.1638, 13.8278



40.5479, 55.6837, 87.9675



15.3079, 15.1510, 16.9069



20.1859, 10.2770, 6.7802



1.6310, 0.8254, 0.7742

Previews

White Background



This preview shows how the XYZ color 38.3797, 20.4569, 18.1454 looks on a white background.

Color Contrast Check

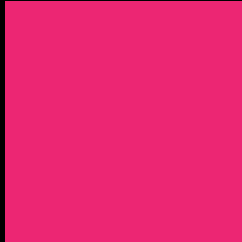
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3797, 20.4569, 18.1454 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 38.3797, 20.4569, 18.1454

Background



This preview shows how black text looks on a background with the XYZ color 38.3797, 20.4569, 18.1454.



This preview shows how white text looks on a background with the XYZ color 38.3797, 20.4569,

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

38.3797, 20.4569, 18.1454

Protanopia

20.7553, 20.6664, 36.1528

Deuteranopia

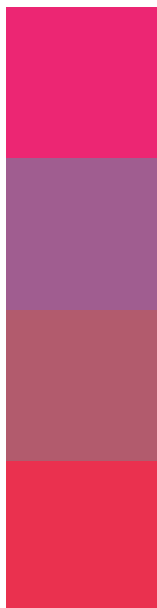
21.1159, 20.7351, 16.5250



Tritanopia

35.7822, 20.4575, 6.0657

Trichromacy



Original Color

38.3797, 20.4569, 18.1454

Protanomaly

23.4456, 17.3159, 28.4921

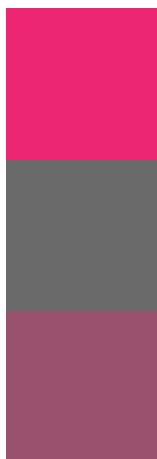
Deuteranomaly

24.8615, 18.0513, 16.6419

Tritanomaly

36.4413, 20.2536, 9.3858

Monochromacy



Original Color

38.3797, 20.4569, 18.1454

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.8396, 13.7613, 16.1312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3797, 20.4569, 18.1454 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(236, 38, 115)` looks like.

```
.text, #text, p{  
    color:rgb(236, 38, 115)  
}
```

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(236, 38, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 38, 115) }
```

Border

The CSS property to change the border of an element to XYZ 38.3797, 20.4569, 18.1454 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(236, 38, 115) }
```


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

```
.border{ border-color:rgb(236, 38, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 38, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 38, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 38, 115); box-shadow:4px 4px 4px 4px rgb(236, 38, 115) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3797, 20.4569, 18.1454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 38, 115) }
```

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

```
.background{ background-color: rgb(236, 38,  
115) }
```

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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