

Converting Colors

XYZ(38.7554, 18.6789, 77.2561)

Have a look what the booklet for
XYZ(38.7554, 18.6789, 77.2561)
contains.

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Color

**XYZ(38.7614, 18.6873,
77.1654)**

Conversions

Conversions Part 1

Format	Color
Hex	C914E7
RGB	201, 20, 231
RGB Percent	79%, 8%, 91%
CMY	0.2118, 0.9215, 0.0941
CMYK	0.13, 0.91, 0.00, 0.09
HSL	291°, 84%, 49%
HSV	291°, 91%, 91%
XYZ	38.7614, 18.6873, 77.1654
YIQ	98.1730, 40.1450, 103.9930

Conversions

Conversions Part 2

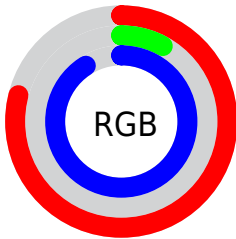
Format	Color
RYB	201, 20, 231
Decimal	13178087
CIELab	50.32, 84.93, -63.97
CIELCh	50, 106.324, 323.012
Yxy	18.6873, 0.2879, 0.1388
Android (android.graphics.Color)	4291368167 (0xFFC914E7)
YUV	98.1730, 65.4837, 90.1793
Hunter-Lab	43.2288, 84.4028, -75.5752

Details

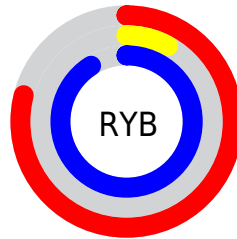
The XYZ color **38.7614, 18.6873, 77.1654** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **30.0182, 57.8810, 10.2524**, and the grayscale version is **11.4896, 12.0879, 13.1638**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **18.6245, 8.7187, 40.7457** is the 20% darker color. If you saturate the color by 10%, you get **37.7541, 17.7967, 77.0469**, and if you desaturate by 10%, it is **40.2723, 20.3833, 77.4134**.

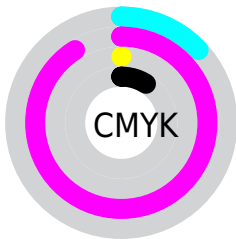
Distribution



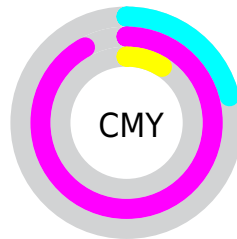
- Red (79%)
- Green (8%)
- Blue (91%)



- Red (79%)
- Yellow (8%)
- Blue (91%)



- Cyan (13%)
- Magenta (91%)
- Yellow (0%)
- Black (9%)





- Cyan (21%)
- Magenta (92%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7614, 18.6873, 77.1654 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 38.7614, 18.6873, 77.1654 by changing the saturation by 10% instead.

 38.7614, 18.6873,
77.1654


 38.7614, 18.6873,
77.1654


332.0997,
244.7170, 504.7804


 26.7541, 11.4445,
56.8763


 72.5701, 41.2050,
131.1481


 17.5242, 6.3667,
40.4972


 95.1021, 57.2488,
165.6787


 10.7066, 3.0693,
27.6097


 121.8731, 76.9951,
205.7936

 5.9357, 1.1680,
17.7952

 153.2484,
100.8281, 251.9112

 2.8463, 0.0354,
10.6351

 189.5933,
129.1325, 304.4502

 1.0730, 0.0000,
5.7110

 231.2733,

 0.0024, 0.0000,

162.2925, 363.8290

2.6042

278.6536,
200.6925, 430.4662

■ 0.0000, 0.0000,
0.8946

■ 0.0000, 0.0000,
0.0000

■ 38.7614, 18.6873,
77.1654

■ 38.7614, 18.6873,
77.1654

■ 37.7541, 17.7967,
77.0469

■ 40.2723, 20.3833,
77.4134

■ 42.2764, 23.0385,
77.8203

■ 44.8447, 26.7937,
78.4098

■ 48.0358, 31.7660,
79.2013

51.9008, 38.0573,
80.2120

56.4853, 45.7587,
81.4569

61.8309, 54.9534,
82.9499

67.9761, 65.7179,
84.7037

74.9564, 78.1236,
86.7304

Harmonies

Analogous

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



26.6905, 18.6873, 130.0611



38.7614, 18.6873, 77.1654



45.5898, 18.6873, 28.0638

Triad

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



38.7614, 18.6873, 77.1654



20.2838, 18.6873, 0.0000



5.0521, 18.6873, 51.5791

Complementary

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



38.7614, 18.6873, 77.1654



30.0182, 57.8810, 10.2524

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.



4.4586, 18.6873, 14.1933



38.7614, 18.6873, 77.1654



11.0859, 18.6873, 0.0000

Square

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



38.7614, 18.6873, 77.1654



32.5534, 18.6873, 0.1280



6.1685, 18.6873, 1.7397



8.3069, 18.6873, 107.6963

Rectangle

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



38.7614, 18.6873, 77.1654



44.9152, 18.6873, 10.0564



6.1685, 18.6873, 1.7397



4.6041, 18.6873, 35.9893

Sweetspot

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



38.7623, 18.6881, 77.1658



73.3704, 61.8515, 102.6792



15.9254, 8.3441, 76.3728



15.2309, 12.4289, 21.8462



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.



38.7623, 18.6881, 77.1658



47.1866, 22.2405, 96.4136



39.3045, 19.9293, 33.7425



14.7831, 14.5059, 18.1651



21.2460, 10.0186, 43.1972



1.6255, 0.7689, 3.1947

Inverse Universe

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



33.7814, 17.7201, 4.6585



41.5624, 21.3889, 3.6275



30.8787, 58.1065, 20.1443



14.4600, 14.4012, 15.3570



18.6546, 9.5961, 1.8103



1.4050, 0.7197, 0.2731

Previews

White Background



This preview shows how the XYZ color 38.7614, 18.6873, 77.1654 looks on a white background.

Color Contrast Check

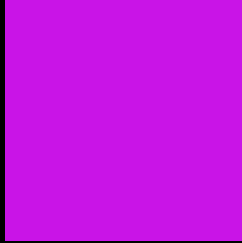
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7614, 18.6873, 77.1654 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 38.7614, 18.6873, 77.1654

Background



This preview shows how black text looks on a background with the XYZ color 38.7614, 18.6873, 77.1654.



This preview shows how white text looks on a background with the XYZ color 38.7614, 18.6873,

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

38.7614, 18.6873, 77.1654

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.7200, 19.2337, 68.3188



Tritanopia

25.7989, 18.7265, 13.8101

Trichromacy



Original Color

38.7614, 18.6873, 77.1654



Protanomaly

21.5673, 13.6522, 84.7175



Deuteranomaly

19.7371, 13.5918, 70.6905



Tritanomaly

28.3717, 16.9189, 28.9644

Monochromacy



Original Color

38.7614, 18.6873, 77.1654



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

17.3701, 11.6065, 28.5189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7614, 18.6873, 77.1654 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(201, 20, 231)` looks like.

```
.text, #text, p{  
    color:rgb(201, 20, 231)  
}
```

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(201, 20, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 20, 231) }
```

Border

The CSS property to change the border of an element to XYZ 38.7614, 18.6873, 77.1654 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(201, 20, 231) }
```


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

```
.border{ border-color:rgb(201, 20, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 20, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 20, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 20, 231);  
box-shadow:4px 4px 4px 4px rgb(201, 20,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7614, 18.6873, 77.1654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 20, 231) }
```

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

```
.background{ background-color: rgb(201, 20,  
231) }
```

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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