

Converting Colors

XYZ(38.8917, 20.9322, 19.3342)

Have a look what the booklet for
XYZ(38.8917, 20.9322, 19.3342)
contains.

| | |
|--|----|
| XYZ(38.7857, 20.8925, 19.4412) | 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(38.7857, 20.8925,
19.4412)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | EC2B77 |
| RGB | 236, 43, 119 |
| RGB Percent | 93%, 17%, 47% |
| CMY | 0.0745, 0.8313, 0.5333 |
| CMYK | 0.00, 0.82, 0.50, 0.07 |
| HSL | 336°, 84%, 55% |
| HSV | 336°, 82%, 93% |
| XYZ | 38.7857, 20.8925, 19.4412 |
| YIQ | 109.3710, 90.6320, 64.5520 |

Conversions

Conversions Part 2

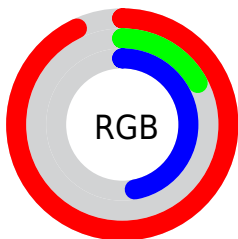
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 236, 43, 119 |
| Decimal | 15477623 |
| CIELab | 52.83, 74.18, 6.05 |
| CIElCh | 53, 74.422, 4.667 |
| Yxy | 20.8925, 0.4902, 0.2641 |
| Android (android.graphics.Color) | 4293667703 (0xFFEC2B77) |
| YUV | 109.3710, 4.7471, 111.0536 |
| Hunter-Lab | 45.7083, 71.4763, 6.7779 |

Details

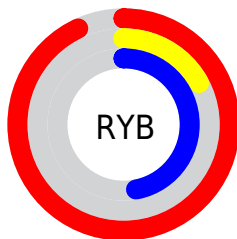
The XYZ color **38.7857, 20.8925, 19.4412** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **37.3389, 63.0433, 43.4658**, and the grayscale version is **14.6123, 15.3733, 16.7415**.

A 20% lighter version of the original color is **54.1666, 35.3521, 42.4968**, and **18.5929, 9.4536, 6.8060** is the 20% darker color. If you saturate the color by 10%, you get **37.3660, 19.3264, 15.0429**, and if you desaturate by 10%, it is **40.8314, 23.5037, 24.6868**.

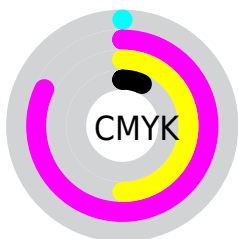
Distribution



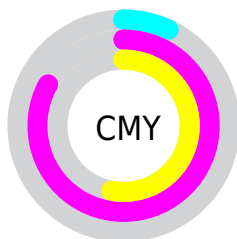
- Red (93%)
- Green (17%)
- Blue (47%)



- Red (93%)
- Yellow (17%)
- Blue (47%)



- Cyan (0%)
- Magenta (82%)
- Yellow (50%)
- Black (7%)





- Cyan (7%)
- Magenta (83%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7857, 20.8925, 19.4412 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 38.7857, 20.8925, 19.4412 by changing the saturation by 10% instead.


 38.7857, 20.8925,
19.4412


 38.7857, 20.8925,
19.4412


332.2014,
256.7066, 261.3771

 26.7730, 13.0454,
11.8095


 72.6070, 44.9086,
43.3249


 17.5385, 7.4598,
6.4931


 95.1463, 61.8463,
60.4139


 10.7169, 3.7513,
3.0736


 121.9253, 82.5832,
81.4925

 5.9427, 1.5354,
1.1323

 153.3092,
107.5034, 106.9791

 2.8506, 0.3135,
0.0000

 189.6634,
136.9915, 137.2924

 1.0752, 0.0000,
0.0000

231.3532,

 0.0043, 0.0000,

171.4318, 172.8508

0.0000

278.7441,
211.2087, 214.0728

■ 0.0000, 0.0000,
0.0000

■ 38.7857, 20.8925,
19.4412

■ 38.7857, 20.8925,
19.4412

■ 37.3660, 19.3264,
15.0429

■ 40.8314, 23.5037,
24.6868


■ 36.5642, 18.6217,
12.0047


■ 43.5814, 27.3078,
30.8319


■ 47.1035, 32.4321,
37.9245


■ 51.4565, 38.9867,
46.0079

■ 56.6932, 47.0698,
55.1225

 62.8619, 56.7711,
65.3061

 70.0074, 68.1730,
76.5943

 78.1713, 81.3526,
89.0211

 87.2598, 96.1159,
102.5744

Harmonies

Analogous

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



36.6578, 20.8925, 46.4140



38.7857, 20.8925, 19.4412



34.8585, 20.8925, 6.0561

Triad

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



38.7857, 20.8925, 19.4412



12.5129, 20.8925, 2.5827



14.1253, 20.8925, 87.4969

Complementary

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



38.7857, 20.8925, 19.4412



37.3389, 63.0433, 43.4658

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.



9.9283, 20.8925, 56.8069



38.7857, 20.8925, 19.4412



9.1820, 20.8925, 8.9103

Square

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



38.7857, 20.8925, 19.4412



18.6666, 20.8925, 1.1993



8.3771, 20.8925, 26.4108



21.0984, 20.8925, 97.6192

Rectangle

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



38.7857, 20.8925, 19.4412



29.8145, 20.8925, 2.6503



8.3771, 20.8925, 26.4108



12.4085, 20.8925, 78.5701

Sweetspot

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



38.7862, 20.8937, 19.4415



72.3654, 63.6068, 73.6668



30.2645, 15.1363, 80.6831



14.9348, 12.7427, 14.8519



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.



38.7862, 20.8937, 19.4415



43.7684, 22.3599, 14.9713



36.7681, 21.4870, 4.4966



15.3111, 15.1523, 16.9234



20.2143, 10.2884, 6.9298



1.6334, 0.8263, 0.7870

Inverse Universe

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



38.7862, 20.8937, 19.4415



43.7684, 22.3599, 14.9713



40.8732, 56.0420, 88.0195



15.3111, 15.1523, 16.9234



20.2143, 10.2884, 6.9298



1.6334, 0.8263, 0.7870

Previews

White Background



This preview shows how the XYZ color 38.7857, 20.8925, 19.4412 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 38.7857, 20.8925, 19.4412 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 38.7857, 20.8925, 19.4412

Background



This preview shows how black text looks on a background with the XYZ color 38.7857, 20.8925, 19.4412.



This preview shows how white text looks on a background with the XYZ color 38.7857, 20.8925,

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

38.7857, 20.8925, 19.4412

Protanopia

21.3706, 21.1295, 38.0740

Deuteranopia

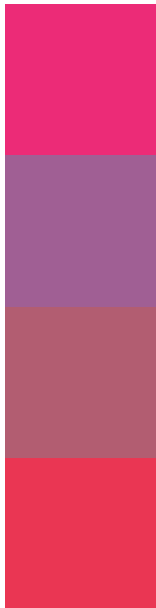
21.4511, 21.0646, 17.6871



Tritanopia

36.0896, 20.9032, 6.6900

Trichromacy



Original Color

38.7857, 20.8925, 19.4412

Protanomaly

23.9347, 17.7961, 30.1905

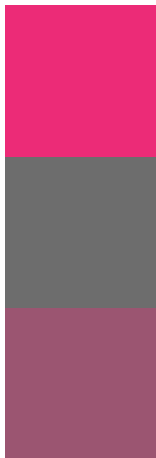
Deuteranomaly

25.2551, 18.4859, 17.8598

Tritanomaly

36.8122, 20.7553, 10.2496

Monochromacy



Original Color

38.7857, 20.8925, 19.4412

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

19.7467, 14.6578, 17.4113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7857, 20.8925, 19.4412 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, 43, 119)` looks like.

```
.text, #text, p{  
    color:rgb(236, 43, 119)  
}
```

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, 43, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 43, 119) }
```

Border

The CSS property to change the border of an element to XYZ 38.7857, 20.8925, 19.4412 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, 43, 119) }
```


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

```
.border{ border-color:rgb(236, 43, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 43, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 43, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 43, 119);  
box-shadow:4px 4px 4px 4px rgb(236, 43,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7857, 20.8925, 19.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 43, 119) }
```

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

```
.background{ background-color: rgb(236, 43,  
119) }
```

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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