

Converting Colors

XYZ(38.5767, 19.4710, 20.6023)

Have a look what the booklet for
XYZ(38.5767, 19.4710, 20.6023)
contains.

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Color

**XYZ(38.5002, 19.4346,
20.4610)**

Conversions

Conversions Part 1

Format	Color
Hex	ED007B
RGB	237, 0, 123
RGB Percent	93%, 0%, 48%
CMY	0.0706, 0.9998, 0.5176
CMYK	0.00, 1.00, 0.48, 0.07
HSL	329°, 100%, 46%
HSV	329°, 100%, 93%
XYZ	38.5002, 19.4346, 20.4610
YIQ	84.8850, 101.7690, 88.4970

Conversions

Conversions Part 2

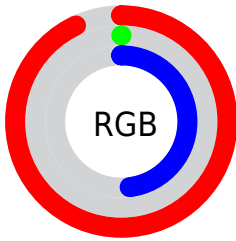
Format	Color
RYB	237, 0, 123
Decimal	15532155
CIELab	51.19, 80.33, 1.29
CIElCh	51, 80.342, 0.921
Yxy	19.4346, 0.4911, 0.2479
Android (android.graphics.Color)	4293722235 (0xFFED007B)
YUV	84.8850, 18.7907, 133.4049
Hunter-Lab	44.0847, 78.7400, 3.3411

Details

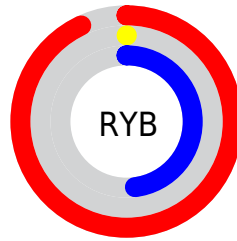
The XYZ color **38.5002, 19.4346, 20.4610** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **33.3252, 61.7847, 26.1054**, and the grayscale version is **8.5642, 9.0102, 9.8121**.

A 20% lighter version of the original color is **53.1607, 32.7209, 44.0713**, and **18.7256, 9.5067, 7.5046** is the 20% darker color. If you saturate the color by 10%, you get **38.4984, 19.4339, 20.4522**, and if you desaturate by 10%, it is **39.5778, 20.3802, 24.5497**.

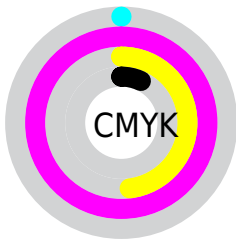
Distribution



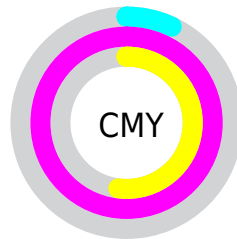
- Red (93%)
- Green (0%)
- Blue (48%)



- Red (93%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5002, 19.4346, 20.4610 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 38.5002, 19.4346, 20.4610 by changing the saturation by 10% instead.


 38.5002, 19.4346,
20.4610


 38.5002, 19.4346,
20.4610


331.0047,
248.8376, 267.0863


 26.5501, 11.9847,
12.5432


 72.1731, 42.4672,
45.0578


 17.3705, 6.7333,
6.9877


 94.6267, 58.8187,
62.5739

 10.5959, 3.2959,
3.3761


 121.3121, 78.9062,
84.1266

 5.8611, 1.2881,
1.2897

 152.5948,
103.1141, 110.1342

 2.8007, 0.1319,
0.0534

 188.8400,
131.8268, 141.0155

 1.0492, 0.0000,
0.0000

 230.4132,

 0.0000, 0.0000,

165.4287, 177.1889

0.0000

277.6796,
204.3042, 219.0730

■ 38.5002, 19.4346,
20.4610

■ 38.5002, 19.4346,
20.4610

■ 38.4984, 19.4339,
20.4522

■ 39.5778, 20.3802,
24.5497

■ 41.1330, 22.1434,
29.2211

■ 43.2917, 24.9723,
34.5300

■ 46.1291, 29.0130,
40.5137

■ 49.7087, 34.3886,
47.2050

■ 54.0859, 41.2067,
54.6338

■ 59.3111, 49.5641,
62.8276

■ 65.4299, 59.5489,
71.8123

■ 72.4848, 71.2426,
81.6122

Harmonies

Analogous

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



35.4274, 19.4346, 50.5805



38.5002, 19.4346, 20.4610



35.0472, 19.4346, 5.6422

Triad

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



38.5002, 19.4346, 20.4610



11.6452, 19.4346, 1.4063



11.9627, 19.4346, 87.6699

Complementary

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



38.5002, 19.4346, 20.4610



33.3252, 61.7847, 26.1054

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.



8.1736, 19.4346, 52.8041



38.5002, 19.4346, 20.4610



8.0310, 19.4346, 6.1655

Square

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



38.5002, 19.4346, 20.4610



18.2259, 19.4346, 0.5544



6.9705, 19.4346, 21.8767



18.7203, 19.4346, 102.7617

Rectangle

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



38.5002, 19.4346, 20.4610



29.9562, 19.4346, 2.0818



6.9705, 19.4346, 21.8767



10.3771, 19.4346, 77.0387

Sweetspot

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



38.5007, 19.4358, 20.4613



69.9404, 58.3722, 74.0435



21.7957, 9.4712, 80.7998



14.3855, 11.5535, 14.9489



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.



38.5007, 19.4358, 20.4613



45.4263, 22.9345, 23.9749



34.9691, 18.0231, 1.8642



15.3919, 15.1846, 17.3488



21.0856, 10.6369, 11.5179



1.7043, 0.8547, 1.1604

Inverse Universe

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



38.5007, 19.4358, 20.4613



45.4263, 22.9345, 23.9749



44.4418, 66.2313, 84.6447



15.3919, 15.1846, 17.3488



21.0856, 10.6369, 11.5179



1.7043, 0.8547, 1.1604

Previews

White Background



This preview shows how the XYZ color 38.5002, 19.4346, 20.4610 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 38.5002, 19.4346, 20.4610 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 38.5002, 19.4346, 20.4610

Background



This preview shows how black text looks on a background with the XYZ color 38.5002, 19.4346, 20.4610.



This preview shows how white text looks on a background with the XYZ color 38.5002, 19.4346,

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

38.5002, 19.4346, 20.4610

Protanopia

20.8392, 20.1576, 44.3874

Deuteranopia

20.2249, 19.8749, 18.3930



Tritanopia

35.2570, 19.7420, 4.8581

Trichromacy



Original Color

38.5002, 19.4346, 20.4610



Protanomaly

22.1366, 14.7531, 33.5792



Deuteranomaly

23.4745, 15.5672, 18.5971



Tritanomaly

35.7262, 18.9942, 8.6207

Monochromacy



Original Color

38.5002, 19.4346, 20.4610



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.3865, 9.1146, 12.8054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5002, 19.4346, 20.4610 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 123) }
```

Border

The CSS property to change the border of an element to XYZ 38.5002, 19.4346, 20.4610 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, 123) }
```


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

```
.border{ border-color:rgb(237, 0, 123) }
```

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, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5002, 19.4346, 20.4610 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, 123) }
```

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

```
.background{ background-color: rgb(237, 0,  
123) }
```

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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