

Converting Colors

XYZ(38.5802, 19.2783, 29.3900)

Have a look what the booklet for
XYZ(38.5802, 19.2783, 29.3900)
contains.

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Color

**XYZ(38.5452, 19.2624,
29.2902)**

Conversions

Conversions Part 1

Format	Color
Hex	E80093
RGB	232, 0, 147
RGB Percent	91%, 0%, 58%
CMY	0.0902, 0.9998, 0.4235
CMYK	0.00, 1.00, 0.37, 0.09
HSL	322°, 100%, 45%
HSV	322°, 100%, 91%
XYZ	38.5452, 19.2624, 29.2902
YIQ	86.1260, 91.0850, 94.9010

Conversions

Conversions Part 2

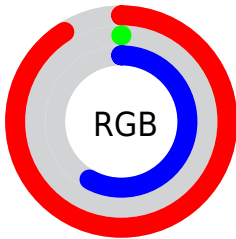
Format	Color
RYB	232, 0, 147
Decimal	15204499
CIELab	50.99, 81.33, -13.60
CIELCh	51, 82.463, 350.506
Yxy	19.2624, 0.4426, 0.2212
Android (android.graphics.Color)	4293394579 (0xFFE80093)
YUV	86.1260, 30.0109, 127.9315
Hunter-Lab	43.8890, 79.9609, -8.8461

Details

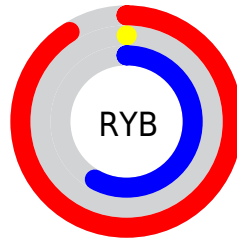
The XYZ color **38.5452, 19.2624, 29.2902** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **30.4989, 58.3703, 18.2638**, and the grayscale version is **8.8027, 9.2612, 10.0854**.

A 20% lighter version of the original color is **55.9655, 33.8428, 58.8409**, and **18.6889, 9.3906, 11.8939** is the 20% darker color. If you saturate the color by 10%, you get **38.5438, 19.2618, 29.2828**, and if you desaturate by 10%, it is **39.5488, 20.1620, 33.0391**.

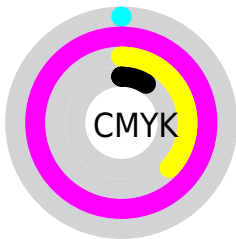
Distribution



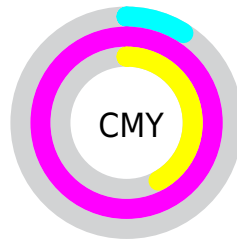
- Red (91%)
- Green (0%)
- Blue (58%)



- Red (91%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5452, 19.2624, 29.2902 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 38.5452, 19.2624, 29.2902 by changing the saturation by 10% instead.


 38.5452, 19.2624,
29.2902


 38.5452, 19.2624,
29.2902


331.1935,
247.8936, 312.6854


 26.5852, 11.8600,
19.0530


 72.2415, 42.1770,
59.5855


 17.3969, 6.6484,
11.5314


 94.7086, 58.4581,
80.4807


 10.6150, 3.2432,
6.3068


 121.4088, 78.4675,
105.7656

 5.8739, 1.2600,
2.9607

 152.7075,
102.5896, 135.8589

 2.8085, 0.1099,
1.0746

 188.9699,
131.2089, 171.1789

 1.0533, 0.0000,
0.0000

 230.5615,

 0.0000, 0.0000,

164.7097, 212.1443

0.0000

277.8476,
203.4765, 259.1737

■ 38.5452, 19.2624,
29.2902

■ 38.5452, 19.2624,
29.2902

■ 38.5438, 19.2618,
29.2828

■ 39.5488, 20.1620,
33.0391

■ 40.9746, 21.8256,
37.1770

■ 42.9421, 24.4905,
41.7487

■ 45.5212, 28.2947,
46.7823

■ 48.7706, 33.3544,
52.3020

■ 52.7419, 39.7712,
58.3296

■ 57.4815, 47.6364,
64.8849

■ 63.0316, 57.0333,
71.9863

■ 69.4314, 68.0387,
79.6511

Harmonies

Analogous

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



33.2758, 19.2624, 64.4797



38.5452, 19.2624, 29.2902



37.2797, 19.2624, 8.8450

Triad

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



38.5452, 19.2624, 29.2902



13.3452, 19.2624, 0.7467



10.0347, 19.2624, 78.2441

Complementary

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



38.5452, 19.2624, 29.2902



30.4989, 58.3703, 18.2638

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.



7.1963, 19.2624, 40.9728



38.5452, 19.2624, 29.2902



8.6758, 19.2624, 3.4126

Square

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



38.5452, 19.2624, 29.2902



21.0194, 19.2624, 0.4604



6.7863, 19.2624, 14.4020



15.8410, 19.2624, 103.8005

Rectangle

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



38.5452, 19.2624, 29.2902



33.0115, 19.2624, 3.2348



6.7863, 19.2624, 14.4020



8.7844, 19.2624, 65.7722

Sweetspot

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



38.5458, 19.2635, 29.2905



71.1205, 58.8443, 80.2581



17.9793, 7.5869, 76.8608



14.6659, 11.6656, 16.4253



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.



38.5458, 19.2635, 29.2905



47.7220, 23.8528, 36.0635



33.5803, 17.2773, 3.1428



14.7593, 14.5209, 16.9328



21.4606, 10.7185, 16.5864



1.6302, 0.8098, 1.4591

Inverse Universe

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



38.5458, 19.2635, 29.2905



47.7220, 23.8528, 36.0635



38.9591, 61.7544, 62.8145



14.7593, 14.5209, 16.9328



21.4606, 10.7185, 16.5864



1.6302, 0.8098, 1.4591

Previews

White Background



This preview shows how the XYZ color 38.5452, 19.2624, 29.2902 looks on a white background.

Color Contrast Check

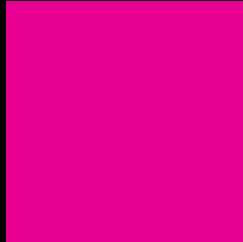
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5452, 19.2624, 29.2902 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 38.5452, 19.2624, 29.2902

Background



This preview shows how black text looks on a background with the XYZ color 38.5452, 19.2624, 29.2902.



This preview shows how white text looks on a background with the XYZ color 38.5452, 19.2624,

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

38.5452, 19.2624, 29.2902

Protanopia

22.0055, 19.9709, 63.6677

Deuteranopia

20.2851, 19.9062, 26.4401



Tritanopia

34.0072, 19.6832, 6.2818

Trichromacy



Original Color

38.5452, 19.2624, 29.2902



Protanomaly

22.0353, 14.1600, 48.5855



Deuteranomaly

23.1180, 15.1990, 26.9145



Tritanomaly

34.9064, 18.7539, 11.9053

Monochromacy



Original Color

38.5452, 19.2624, 29.2902



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7204, 9.3041, 15.2074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5452, 19.2624, 29.2902 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(232, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 147)  
}
```

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(232, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 147) }
```

Border

The CSS property to change the border of an element to XYZ 38.5452, 19.2624, 29.2902 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(232, 0, 147) }
```


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

```
.border{ border-color:rgb(232, 0, 147) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5452, 19.2624, 29.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 147) }
```

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

```
.background{ background-color: rgb(232, 0,  
147) }
```

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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