

Converting Colors

XYZ(38.8572, 19.4854, 26.4953)

Have a look what the booklet for
XYZ(38.8572, 19.4854, 26.4953)
contains.

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Color

**XYZ(38.9946, 19.5556,
26.5303)**

Conversions

Conversions Part 1

Format	Color
Hex	EB008C
RGB	235, 0, 140
RGB Percent	92%, 0%, 55%
CMY	0.0784, 0.9998, 0.4510
CMYK	0.00, 1.00, 0.40, 0.08
HSL	324°, 100%, 46%
HSV	324°, 100%, 92%
XYZ	38.9946, 19.5556, 26.5303
YIQ	86.2250, 95.1200, 93.3600

Conversions

Conversions Part 2

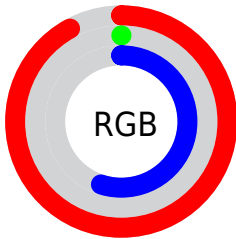
Format	Color
R_{YB}	235, 0, 140
Decimal	15401100
CIE _{Lab}	51.33, 81.31, -8.83
CIE _{LCh}	51, 81.787, 353.802
Yxy	19.5556, 0.4583, 0.2298
Android (android.graphics.Color)	4293591180 (0xFFEB008C)
YUV	86.2250, 26.5111, 130.4757
Hunter-Lab	44.2217, 80.0129, -4.6151

Details

The XYZ color **38.9946, 19.5556, 26.5303** 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 **31.7768, 60.2442, 20.7919**, and the grayscale version is **8.8304, 9.2902, 10.1171**.

A 20% lighter version of the original color is **55.0485, 33.4760, 54.0122**, and **19.0790, 9.6224, 10.5246** is the 20% darker color. If you saturate the color by 10%, you get **38.9931, 19.5550, 26.5225**, and if you desaturate by 10%, it is **40.0434, 20.4831, 30.4876**.

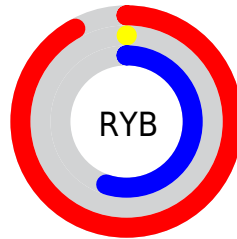
Distribution



Red (92%)

Green (0%)

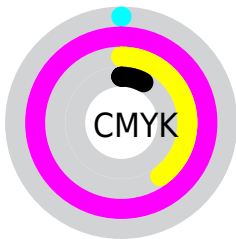
Blue (55%)



Red (92%)

Yellow (0%)

Blue (55%)

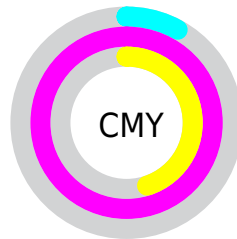


Cyan (0%)

Magenta (100%)

Yellow (40%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9946, 19.5556, 26.5303 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 38.9946, 19.5556, 26.5303 by changing the saturation by 10% instead.

 38.9946, 19.5556,
26.5303


 38.9946, 19.5556,
26.5303

333.0751,
249.4991, 299.0636


 26.9362, 12.0724,
16.9915


 72.9242, 42.6708,
55.1238


 17.6617, 6.7930,
10.0665


 95.5261, 59.0717,
75.0155


 10.8056, 3.3330,
5.3369


 122.3733, 79.2139,
99.1952

 6.0026, 1.3080,
2.3841

 153.8311,
103.4819, 128.0816

 2.8873, 0.1473,
0.7778

 190.2648,
132.2600, 162.0930

 1.0945, 0.0000,
0.0000

 232.0398,

 0.0205, 0.0000,

165.9326, 201.6482

0.0000

279.5214,
204.8842, 247.1655

■ 0.0000, 0.0000,
0.0000

■ 38.9946, 19.5556,
26.5303

■ 38.9946, 19.5556,
26.5303

■ 38.9931, 19.5550,
26.5225

■ 40.0434, 20.4831,
30.4876

■ 41.5379, 22.2026,
34.8991

■ 43.6009, 24.9578,
39.8129

■ 46.3049, 28.8913,
45.2599

■ 49.7110, 34.1232,
51.2671

■ 53.8728, 40.7586,
57.8586

■ 58.8384, 48.8919,
65.0567

■ 64.6518, 58.6089,
72.8820

■ 71.3537, 69.9893,
81.3541

Harmonies

Analogous

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



34.3704, 19.5556, 60.4629



38.9946, 19.5556, 26.5303



36.9901, 19.5556, 7.8049

Triad

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



38.9946, 19.5556, 26.5303



12.9391, 19.5556, 0.9558



10.7656, 19.5556, 82.1706

Complementary

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



38.9946, 19.5556, 26.5303



31.7768, 60.2442, 20.7919

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.



7.5981, 19.5556, 45.1090



38.9946, 19.5556, 26.5303



8.5713, 19.5556, 4.2394

Square

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



38.9946, 19.5556, 26.5303



20.3357, 19.5556, 0.5029



6.9329, 19.5556, 16.7943



16.9416, 19.5556, 104.6860

Rectangle

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



38.9946, 19.5556, 26.5303



32.3914, 19.5556, 2.8637



6.9329, 19.5556, 16.7943



9.3960, 19.5556, 70.1026

Sweetspot

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



38.9952, 19.5567, 26.5306



70.7238, 58.6856, 78.1692



19.6152, 8.3805, 79.1811



14.5714, 11.6278, 15.9277



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.



38.9952, 19.5567, 26.5306



46.8987, 23.5235, 31.7285



34.4217, 17.7273, 2.4471



15.4421, 15.2047, 17.6133



21.7663, 10.9092, 15.1024



1.7566, 0.8756, 1.4356

Inverse Universe

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



38.9952, 19.5567, 26.5306



46.8987, 23.5235, 31.7285



41.5303, 64.1455, 72.1530



15.4421, 15.2047, 17.6133



21.7663, 10.9092, 15.1024



1.7566, 0.8756, 1.4356

Previews

White Background



This preview shows how the XYZ color 38.9946, 19.5556, 26.5303 looks on a white background.

Color Contrast Check

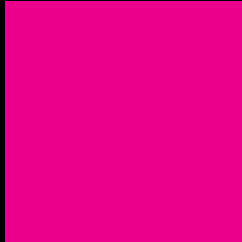
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9946, 19.5556, 26.5303 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 38.9946, 19.5556, 26.5303

Background



This preview shows how black text looks on a background with the XYZ color 38.9946, 19.5556, 26.5303.



This preview shows how white text looks on a background with the XYZ color 38.9946, 19.5556,

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

38.9946, 19.5556, 26.5303

Protanopia

21.8942, 20.2189, 58.0070

Deuteranopia

20.4186, 20.0312, 23.9093



Tritanopia

34.7378, 19.8508, 5.8716

Trichromacy



Original Color

38.9946, 19.5556, 26.5303



Protanomaly

22.4676, 14.5822, 44.2783



Deuteranomaly

23.4651, 15.4362, 24.2970



Tritanomaly

35.6000, 19.0460, 10.8167

Monochromacy



Original Color

38.9946, 19.5556, 26.5303



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7829, 9.3484, 14.6610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9946, 19.5556, 26.5303 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(235, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 140)  
}
```

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(235, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 140) }
```

Border

The CSS property to change the border of an element to XYZ 38.9946, 19.5556, 26.5303 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(235, 0, 140) }
```


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

```
.border{ border-color:rgb(235, 0, 140) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9946, 19.5556, 26.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 140) }
```

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

```
.background{ background-color: rgb(235, 0,  
140) }
```

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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