

Converting Colors

XYZ(38.5741, 19.6143, 26.5809)

Have a look what the booklet for
XYZ(38.5741, 19.6143, 26.5809)
contains.

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Color

**XYZ(38.5232, 19.5877,
26.5613)**

Conversions

Conversions Part 1

Format	Color
Hex	E9108C
RGB	233, 16, 140
RGB Percent	91%, 6%, 55%
CMY	0.0863, 0.9371, 0.4510
CMYK	0.00, 0.93, 0.40, 0.09
HSL	326°, 87%, 49%
HSV	326°, 93%, 91%
XYZ	38.5232, 19.5877, 26.5613
YIQ	95.0190, 89.5280, 84.5680

Conversions

Conversions Part 2

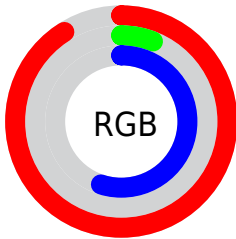
Format	Color
R _Y B	233, 16, 140
Decimal	15274124
CIE Lab	51.37, 79.65, -8.81
CIE LCh	51, 80.133, 353.684
Yxy	19.5877, 0.4550, 0.2313
Android (android.graphics.Color)	4293464204 (0xFFE9108C)
YUV	95.0190, 22.1756, 121.0093
Hunter-Lab	44.2580, 77.9191, -4.6021

Details

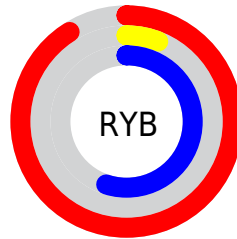
The XYZ color **38.5232, 19.5877, 26.5613** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **32.1157, 59.4933, 24.2696**, and the grayscale version is **10.8204, 11.3839, 12.3971**.

A 20% lighter version of the original color is **55.3275, 34.0339, 54.1052**, and **18.6400, 9.3961, 10.5041** is the 20% darker color. If you saturate the color by 10%, you get **37.8465, 19.0205, 23.9122**, and if you desaturate by 10%, it is **39.8450, 20.9986, 30.8020**.

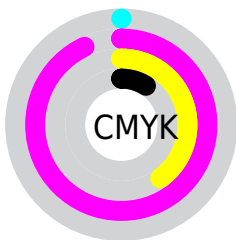
Distribution



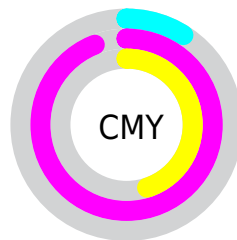
- Red (91%)
- Green (6%)
- Blue (55%)



- Red (91%)
- Yellow (6%)
- Blue (55%)



- Cyan (0%)
- Magenta (93%)
- Yellow (40%)
- Black (9%)





- Cyan (9%)
- Magenta (94%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5232, 19.5877, 26.5613 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 38.5232, 19.5877, 26.5613 by changing the saturation by 10% instead.

 38.5232, 19.5877,
26.5613


 38.5232, 19.5877,
26.5613


331.1012,
249.6743, 299.2194


 26.5681, 12.0957,
17.0145


 72.2081, 42.7248,
55.1742


 17.3840, 6.8089,
10.0828


 94.6686, 59.1388,
75.0775

 10.6056, 3.3429,
5.3475


 121.3616, 79.2955,
99.2699

 5.8677, 1.3132,
2.3903

 152.6524,
103.5793, 128.1701

 2.8047, 0.1514,
0.7812

 188.9064,
132.3747, 162.1966

 1.0513, 0.0000,
0.0000

 230.4890,

 0.0000, 0.0000,

166.0661, 201.7680

0.0000

277.7655,
205.0378, 247.3027

■ 38.5232, 19.5877,
26.5613

■ 38.5232, 19.5877,
26.5613

■ 37.8465, 19.0205,
23.9122

■ 39.8450, 20.9986,
30.8020

■ 41.7048, 23.3760,
35.5602

■ 44.1793, 26.8703,
40.8697

■ 47.3316, 31.6052,
46.7592

■ 51.2163, 37.6877,
53.2545

■ 55.8823, 45.2132,
60.3794

■ 61.3742, 54.2684,
68.1558

■ 67.7330, 64.9330,
76.6042

■ 74.9968, 77.2814,
85.7442

Harmonies

Analogous

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



34.0032, 19.5877, 59.6059



38.5232, 19.5877, 26.5613



36.6000, 19.5877, 8.0560

Triad

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



38.5232, 19.5877, 26.5613



13.0871, 19.5877, 1.0647



10.9000, 19.5877, 80.3320

Complementary

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



38.5232, 19.5877, 26.5613



32.1157, 59.4933, 24.2696

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.



7.7692, 19.5877, 44.4275



38.5232, 19.5877, 26.5613



8.7550, 19.5877, 4.4119

Square

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



38.5232, 19.5877, 26.5613



20.3650, 19.5877, 0.6235



7.1157, 19.5877, 16.8311



16.9730, 19.5877, 102.1634

Rectangle

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



38.5232, 19.5877, 26.5613



32.1359, 19.5877, 3.0597



7.1157, 19.5877, 16.8311



9.5478, 19.5877, 68.6513

Sweetspot

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



38.5238, 19.5888, 26.5616



71.8056, 60.7783, 78.7487



20.8901, 9.3461, 77.7937



14.7649, 12.0168, 15.9862



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.



38.5238, 19.5888, 26.5616



46.4046, 23.3258, 29.1264



34.0806, 17.8116, 3.1641



15.4261, 15.1983, 17.5293



21.5383, 10.8180, 13.9018



1.7393, 0.8687, 1.3446

Inverse Universe

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



38.5238, 19.5888, 26.5616



46.4046, 23.3258, 29.1264



41.6087, 63.2905, 74.2593



15.4261, 15.1983, 17.5293



21.5383, 10.8180, 13.9018



1.7393, 0.8687, 1.3446

Previews

White Background



This preview shows how the XYZ color 38.5232, 19.5877, 26.5613 looks on a white background.

Color Contrast Check

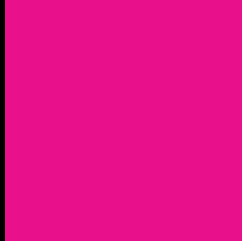
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5232, 19.5877, 26.5613 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 38.5232, 19.5877, 26.5613

Background



This preview shows how black text looks on a background with the XYZ color 38.5232, 19.5877, 26.5613.



This preview shows how white text looks on a background with the XYZ color 38.5232, 19.5877,

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

38.5232, 19.5877, 26.5613

Protanopia

21.7769, 20.1720, 57.3894

Deuteranopia

20.2615, 19.9502, 23.9020



Tritanopia

34.2475, 19.7360, 6.1421

Trichromacy



Original Color

38.5232, 19.5877, 26.5613



Protanomaly

22.6307, 15.3302, 43.8857



Deuteranomaly

23.6826, 16.1908, 24.4312



Tritanomaly

35.2225, 19.1835, 11.0789

Monochromacy



Original Color

38.5232, 19.5877, 26.5613



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

16.4945, 11.0639, 16.3051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5232, 19.5877, 26.5613 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(233, 16, 140)` looks like.

```
.text, #text, p{  
    color:rgb(233, 16, 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(233, 16, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 16, 140) }
```

Border

The CSS property to change the border of an element to XYZ 38.5232, 19.5877, 26.5613 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(233, 16, 140) }
```


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

```
.border{ border-color:rgb(233, 16, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 16, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 16, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 16, 140);  
box-shadow:4px 4px 4px 4px rgb(233, 16,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5232, 19.5877, 26.5613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 16, 140) }
```

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

```
.background{ background-color: rgb(233, 16,  
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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