

Converting Colors

XYZ(38.9921, 19.5419, 24.4442)

Have a look what the booklet for
XYZ(38.9921, 19.5419, 24.4442)
contains.

XYZ(38.8951, 19.5541, 24.2786)	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(38.8951, 19.5541,
24.2786)**

Conversions

Conversions Part 1

Format	Color
Hex	EC0086
RGB	236, 0, 134
RGB Percent	93%, 0%, 53%
CMY	0.0745, 0.9998, 0.4745
CMYK	0.00, 1.00, 0.43, 0.07
HSL	326°, 100%, 46%
HSV	326°, 100%, 93%
XYZ	38.8951, 19.5541, 24.2786
YIQ	85.8400, 97.6420, 91.7060

Conversions

Conversions Part 2

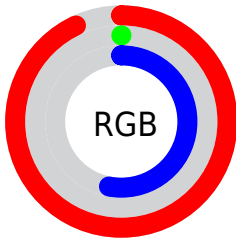
Format	Color
R_{YB}	236, 0, 134
Decimal	15466630
CIE _{Lab}	51.33, 81.00, -5.19
CIE _{LCh}	51, 81.166, 356.331
Yxy	19.5541, 0.4702, 0.2364
Android (android.graphics.Color)	4293656710 (0xFFEC0086)
YUV	85.8400, 23.7429, 131.6903
Hunter-Lab	44.2200, 79.6202, -1.5986

Details

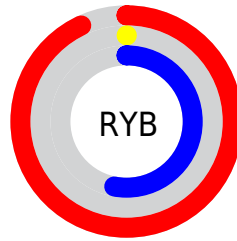
The XYZ color **38.8951, 19.5541, 24.2786** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **32.3970, 60.9514, 22.6419**, and the grayscale version is **8.7548, 9.2107, 10.0305**.

A 20% lighter version of the original color is **54.3925, 33.2136, 50.5578**, and **19.0953, 9.6545, 9.4514** is the 20% darker color. If you saturate the color by 10%, you get **38.8934, 19.5534, 24.2699**, and if you desaturate by 10%, it is **39.9611, 20.4918, 28.3160**.

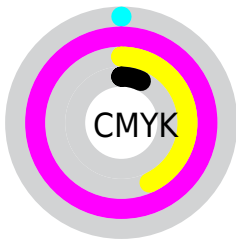
Distribution



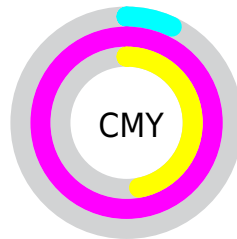
- Red (93%)
- Green (0%)
- Blue (53%)



- Red (93%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8951, 19.5541, 24.2786 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 38.8951, 19.5541, 24.2786 by changing the saturation by 10% instead.


 38.8951, 19.5541,
24.2786


 38.8951, 19.5541,
24.2786


332.6591,
249.4909, 287.5578


 26.8585, 12.0713,
15.3263


 72.7731, 42.6683,
51.4340


 17.6030, 6.7923,
8.8996

 95.3453, 59.0686,
70.4741


 10.7633, 3.3325,
4.5798


 122.1600, 79.2101,
93.7140

 5.9740, 1.3077,
1.9485

 153.5826,
103.4773, 121.5721

 2.8698, 0.1472,
0.5233

 189.9784,
132.2546, 154.4670

 1.0853, 0.0000,
0.0000

 231.7129,

 0.0128, 0.0000,

165.9264, 192.8172

0.0000

279.1514,
204.8770, 237.0413

■ 0.0000, 0.0000,
0.0000

■ 38.8951, 19.5541,
24.2786

■ 38.8951, 19.5541,
24.2786

■ 38.8934, 19.5534,
24.2699

■ 39.9611, 20.4918,
28.3160

■ 41.4852, 22.2329,
32.8539

■ 43.5918, 25.0232,
37.9426

■ 46.3544, 29.0071,
43.6153

■ 49.8351, 34.3060,
49.9007

■ 54.0883, 41.0262,
56.8250

■ 59.1629, 49.2631,
64.4121

■ 65.1038, 59.1038,
72.6846

■ 71.9523, 70.6288,
81.6634

Harmonies

Analogous

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



34.8190, 19.5541, 56.8875



38.8951, 19.5541, 24.2786



36.3575, 19.5541, 6.9902

Triad

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



38.8951, 19.5541, 24.2786



12.4913, 19.5541, 1.1080



11.2116, 19.5541, 84.2836

Complementary

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



38.8951, 19.5541, 24.2786



32.3970, 60.9514, 22.6419

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.



7.8201, 19.5541, 47.8791



38.8951, 19.5541, 24.2786



8.3939, 19.5541, 4.8893

Square

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



38.8951, 19.5541, 24.2786



19.6014, 19.5541, 0.5243



6.9629, 19.5541, 18.5593



17.6055, 19.5541, 104.1907

Rectangle

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



38.8951, 19.5541, 24.2786



31.5662, 19.5541, 2.5705



6.9629, 19.5541, 18.5593



9.7636, 19.5541, 72.6882

Sweetspot

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



38.8956, 19.5552, 24.2789



70.4353, 58.5702, 76.6501



20.2174, 8.6744, 79.9653



14.5028, 11.6004, 15.5666



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.



38.8956, 19.5552, 24.2789



46.3326, 23.2970, 28.7471



34.7163, 17.8835, 2.2708



15.4237, 15.1973, 17.5167



21.5050, 10.8047, 13.7267



1.7368, 0.8677, 1.3312

Inverse Universe

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



38.8956, 19.5552, 24.2789



46.3326, 23.2970, 28.7471



42.4344, 64.9664, 75.4981



15.4237, 15.1973, 17.5167



21.5050, 10.8047, 13.7267



1.7368, 0.8677, 1.3312

Previews

White Background



This preview shows how the XYZ color 38.8951, 19.5541, 24.2786 looks on a white background.

Color Contrast Check

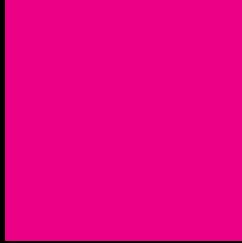
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8951, 19.5541, 24.2786 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 38.8951, 19.5541, 24.2786

Background



This preview shows how black text looks on a background with the XYZ color 38.8951, 19.5541, 24.2786.

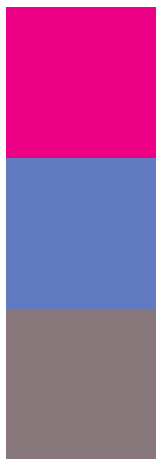


This preview shows how white text looks on a background with the XYZ color 38.8951, 19.5541,

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

38.8951, 19.5541, 24.2786

Protanopia

21.6222, 20.3660, 53.2435

Deuteranopia

20.5079, 20.1224, 21.8719



Tritanopia

35.2177, 19.9684, 5.4881

Trichromacy



Original Color

38.8951, 19.5541, 24.2786



Protanomaly

22.3835, 14.7232, 40.6919



Deuteranomaly

23.4940, 15.4981, 22.1752



Tritanomaly

35.7376, 19.0922, 9.9852

Monochromacy



Original Color

38.8951, 19.5541, 24.2786



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7989, 9.3744, 13.8614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8951, 19.5541, 24.2786 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, 0, 134)` looks like.

```
.text, #text, p{  
  color:rgb(236, 0, 134)  
}
```

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, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 134) }
```

Border

The CSS property to change the border of an element to XYZ 38.8951, 19.5541, 24.2786 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, 0, 134) }
```


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

```
.border{ border-color:rgb(236, 0, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 0, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(236, 0,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8951, 19.5541, 24.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 134) }
```

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

```
.background{ background-color: rgb(236, 0,  
134) }
```

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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