

Converting Colors

XYZ(38.5277, 19.5505, 15.8648)

Have a look what the booklet for
XYZ(38.5277, 19.5505, 15.8648)
contains.

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Color

**XYZ(38.6420, 19.6080,
15.9354)**

Conversions

Conversions Part 1

Format	Color
Hex	F0006C
RGB	240, 0, 108
RGB Percent	94%, 0%, 42%
CMY	0.0588, 0.9998, 0.5765
CMYK	0.00, 1.00, 0.55, 0.06
HSL	333°, 100%, 47%
HSV	333°, 100%, 94%
XYZ	38.6420, 19.6080, 15.9354
YIQ	84.0720, 108.3720, 84.4680

Conversions

Conversions Part 2

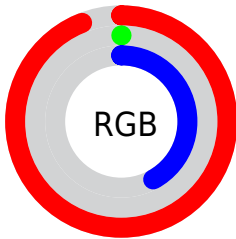
Format	Color
R_{YB}	240, 0, 108
Decimal	15728748
CIE _{Lab}	51.39, 79.93, 10.79
CIE _{LCh}	51, 80.652, 7.691
Yxy	19.6080, 0.5209, 0.2643
Android (android.graphics.Color)	4293918828 (0xFFFF006C)
YUV	84.0720, 11.7965, 136.7489
Hunter-Lab	44.2809, 78.2774, 9.6599

Details

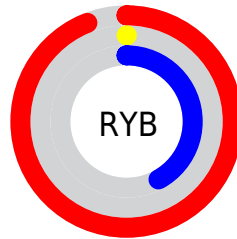
The XYZ color **38.6420, 19.6080, 15.9354** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **35.3295, 63.9879, 32.3394**, and the grayscale version is **8.4091, 8.8470, 9.6344**.

A 20% lighter version of the original color is **51.6809, 32.1289, 36.2785**, and **18.7468, 9.5670, 5.2734** is the 20% darker color. If you saturate the color by 10%, you get **38.6402, 19.6072, 15.9265**, and if you desaturate by 10%, it is **39.7266, 20.5664, 20.0305**.

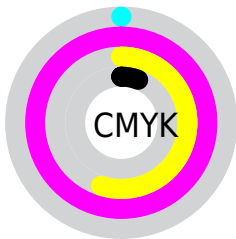
Distribution



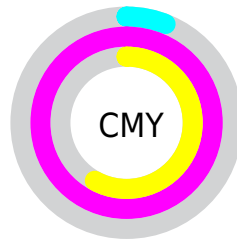
- Red (94%)
- Green (0%)
- Blue (42%)



- Red (94%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6420, 19.6080, 15.9354 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 38.6420, 19.6080, 15.9354 by changing the saturation by 10% instead.


 38.6420, 19.6080,
15.9354


 38.6420, 19.6080,
15.9354


331.5995,
249.7850, 240.7929


 26.6608, 12.1104,
9.3246


 72.3887, 42.7590,
37.2512

 17.4539, 6.8189,
4.8538


 94.8849, 59.1812,
52.7934


 10.6560, 3.3491,
2.1045


 121.6168, 79.3470,
72.1497

 5.9016, 1.3166,
0.6184

 152.9498,
103.6409, 95.7387

 2.8254, 0.1540,
0.0000

 189.2492,
132.4473, 123.9790

 1.0621, 0.0000,
0.0000

 230.8803,

 0.0000, 0.0000,

166.1505, 157.2891

0.0000

278.2086,
205.1349, 196.0876

■ 38.6420, 19.6080,
15.9354

■ 38.6420, 19.6080,
15.9354

■ 38.6402, 19.6072,
15.9265

■ 39.7266, 20.5664,
20.0305

■ 41.3259, 22.3765,
24.8442

■ 43.5707, 25.2933,
30.4409

■ 46.5398, 29.4682,
36.8668

■ 50.3001, 35.0288,
44.1627

■ 54.9103, 42.0866,
52.3663

■ 60.4232, 50.7419,
61.5122

■ 66.8873, 61.0859,
71.6333

■ 74.3473, 73.2033,
82.7602

Harmonies

Analogous

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



37.0035, 19.6080, 43.0636



38.6420, 19.6080, 15.9354



33.8176, 19.6080, 4.0716

Triad

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



38.6420, 19.6080, 15.9354



10.6656, 19.6080, 1.9549



13.3433, 19.6080, 94.5478

Complementary

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



38.6420, 19.6080, 15.9354



35.3295, 63.9879, 32.3394

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.



8.8540, 19.6080, 61.6998



38.6420, 19.6080, 15.9354



7.6483, 19.6080, 8.5296

Square

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



38.6420, 19.6080, 15.9354



16.6355, 19.6080, 0.6068



7.0976, 19.6080, 27.8696



20.7925, 19.6080, 102.6649

Rectangle

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



38.6420, 19.6080, 15.9354



28.2261, 19.6080, 1.5077



7.0976, 19.6080, 27.8696



11.5101, 19.6080, 85.2801

Sweetspot

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



38.6425, 19.6092, 15.9357



69.2595, 58.0999, 70.4582



25.2486, 11.2002, 83.2689



14.2249, 11.4892, 14.1031



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.



38.6425, 19.6092, 15.9357



44.3182, 22.4913, 18.1396



36.0675, 18.7896, 1.7275



16.0684, 15.8771, 17.9163



21.2172, 10.7593, 9.0605



1.8145, 0.9149, 1.0141

Inverse Universe

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



38.6425, 19.6092, 15.9357



44.3182, 22.4913, 18.1396



43.4730, 61.7799, 92.0713



16.0684, 15.8771, 17.9163



21.2172, 10.7593, 9.0605



1.8145, 0.9149, 1.0141

Previews

White Background



This preview shows how the XYZ color 38.6420, 19.6080, 15.9354 looks on a white background.

Color Contrast Check

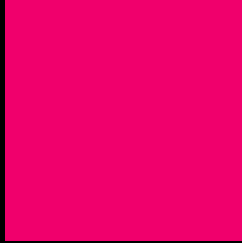
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6420, 19.6080, 15.9354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

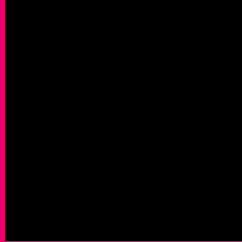
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6420, 19.6080, 15.9354

Background



This preview shows how black text looks on a background with the XYZ color 38.6420, 19.6080, 15.9354.



This preview shows how white text looks on a background with the XYZ color 38.6420, 19.6080,

15.9354.

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

38.6420, 19.6080, 15.9354

Protanopia

20.3712, 20.3132, 34.7455

Deuteranopia

20.4785, 20.0952, 14.3547



Tritanopia

36.2068, 19.8994, 4.1232

Trichromacy



Original Color

38.6420, 19.6080, 15.9354



Protanomaly

22.0825, 14.8899, 26.1363



Deuteranomaly

23.8051, 15.8315, 14.3715



Tritanomaly

36.6352, 19.3544, 6.9591

Monochromacy



Original Color

38.6420, 19.6080, 15.9354



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.2334, 8.9992, 11.3428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6420, 19.6080, 15.9354 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(240, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 108)  
}
```

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(240, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 108) }
```

Border

The CSS property to change the border of an element to XYZ 38.6420, 19.6080, 15.9354 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(240, 0, 108) }
```


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

```
.border{ border-color:rgb(240, 0, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6420, 19.6080, 15.9354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 108) }
```

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

```
.background{ background-color: rgb(240, 0,  
108) }
```

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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