

Converting Colors

XYZ(37.6034, 18.9839, 19.8931)

Have a look what the booklet for
XYZ(37.6034, 18.9839, 19.8931)
contains.

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Color

**XYZ(37.7121, 19.0426,
19.7771)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0079
RGB	235, 0, 121
RGB Percent	92%, 0%, 47%
CMY	0.0784, 0.9998, 0.5255
CMYK	0.00, 1.00, 0.49, 0.08
HSL	329°, 100%, 46%
HSV	329°, 100%, 92%
XYZ	37.7121, 19.0426, 19.7771
YIQ	84.0590, 101.2190, 87.4510

Conversions

Conversions Part 2

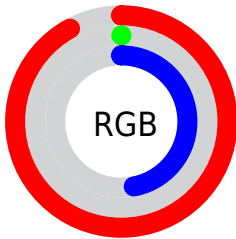
Format	Color
R_{YB}	235, 0, 121
Decimal	15401081
CIE _{Lab}	50.74, 79.75, 1.80
CIE _{LCh}	51, 79.771, 1.292
Yxy	19.0426, 0.4928, 0.2488
Android (android.graphics.Color)	4293591161 (0xFFEB0079)
YUV	84.0590, 18.2119, 132.3753
Hunter-Lab	43.6378, 77.8947, 3.6757

Details

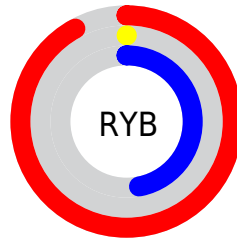
The XYZ color **37.7121, 19.0426, 19.7771** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **32.7491, 60.6329, 25.9124**, and the grayscale version is **8.3940, 8.8311, 9.6171**.

A 20% lighter version of the original color is **52.8750, 32.4615, 43.0140**, and **18.2159, 9.2517, 7.1290** is the 20% darker color. If you saturate the color by 10%, you get **37.7105, 19.0420, 19.7689**, and if you desaturate by 10%, it is **38.7708, 19.9741, 23.7865**.

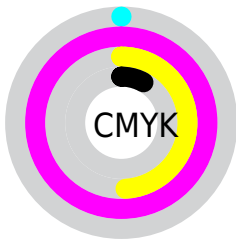
Distribution



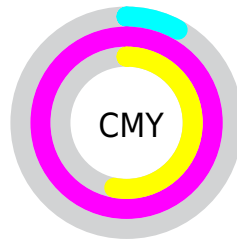
- Red (92%)
- Green (0%)
- Blue (47%)



- Red (92%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7121, 19.0426, 19.7771 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 37.7121, 19.0426, 19.7771 by changing the saturation by 10% instead.


 37.7121, 19.0426,
19.7771


 37.7121, 19.0426,
19.7771


327.6856,
246.6838, 263.2701


 25.9355, 11.7011,
12.0507


 70.9734, 41.8061,
43.8972


 16.9078, 6.5405,
6.6552


 93.1888, 57.9968,
61.1279


 10.2637, 3.1764,
3.1723


 119.6146, 77.9060,
82.3639

 5.6377, 1.2245,
1.1833

 150.6160,
101.9182, 108.0235

 2.6646, 0.0816,
0.0000

 186.5584,
130.4177, 138.5254

 0.9790, 0.0000,
0.0000

 227.8073,

 0.0000, 0.0000,

163.7888, 174.2881

0.0000

274.7279,
202.4161, 215.7301

■ 37.7121, 19.0426,
19.7771

■ 37.7121, 19.0426,
19.7771

■ 37.7105, 19.0420,
19.7689

■ 38.7708, 19.9741,
23.7865

■ 40.2986, 21.7070,
28.3735

■ 42.4196, 24.4854,
33.5923

■ 45.2073, 28.4525,
39.4798

■ 48.7239, 33.7287,
46.0685

■ 53.0239, 40.4196,
53.3879

■ 58.1566, 48.6197,
61.4654

■ 64.1668, 58.4156,
70.3265

■ 71.0960, 69.8870,
79.9955

Harmonies

Analogous

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



34.7784, 19.0426, 49.1122



37.7121, 19.0426, 19.7771



34.2564, 19.0426, 5.4332

Triad

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



37.7121, 19.0426, 19.7771



11.3510, 19.0426, 1.4038



11.7873, 19.0426, 86.2160

Complementary

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



37.7121, 19.0426, 19.7771



32.7491, 60.6329, 25.9124

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.



8.0406, 19.0426, 52.1654



37.7121, 19.0426, 19.7771



7.8446, 19.0426, 6.1523

Square

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



37.7121, 19.0426, 19.7771



17.7621, 19.0426, 0.5402



6.8336, 19.0426, 21.7216



18.4410, 19.0426, 100.6309

Rectangle

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



37.7121, 19.0426, 19.7771



29.2430, 19.0426, 2.0052



6.8336, 19.0426, 21.7216



10.2217, 19.0426, 75.8726

Sweetspot

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



37.7126, 19.0437, 19.7774



69.8994, 58.3559, 73.8279



21.8848, 9.5506, 79.2870



14.3758, 11.5496, 14.8979



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.



37.7126, 19.0437, 19.7774



45.3551, 22.9060, 23.5998



34.2831, 17.6719, 1.7181



15.3892, 15.1835, 17.3348



21.0525, 10.6237, 11.3439



1.7017, 0.8537, 1.1467

Inverse Universe

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



37.7126, 19.0437, 19.7774



45.3551, 22.9060, 23.5998



44.1445, 65.1910, 85.9199



15.3892, 15.1835, 17.3348



21.0525, 10.6237, 11.3439



1.7017, 0.8537, 1.1467

Previews

White Background



This preview shows how the XYZ color 37.7121, 19.0426, 19.7771 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 37.7121, 19.0426, 19.7771 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 37.7121, 19.0426, 19.7771

Background



This preview shows how black text looks on a background with the XYZ color 37.7121, 19.0426, 19.7771.



This preview shows how white text looks on a background with the XYZ color 37.7121, 19.0426,

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

37.7121, 19.0426, 19.7771

Protanopia

20.5191, 19.8341, 43.3043

Deuteranopia

19.8289, 19.5078, 17.7592



Tritanopia

34.8692, 19.4831, 4.7191

Trichromacy



Original Color

37.7121, 19.0426, 19.7771



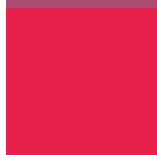
Protanomaly

21.7071, 14.4466, 32.6547



Deuteranomaly

22.8442, 15.1542, 17.9407



Tritanomaly

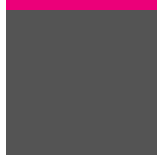
35.3643, 18.8116, 8.4237

Monochromacy



Original Color

37.7121, 19.0426, 19.7771



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.0782, 8.8982, 12.2848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7121, 19.0426, 19.7771 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 121) }
```

Border

The CSS property to change the border of an element to XYZ 37.7121, 19.0426, 19.7771 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, 121) }
```


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

```
.border{ border-color:rgb(235, 0, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7121, 19.0426, 19.7771 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, 121) }
```

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

```
.background{ background-color: rgb(235, 0,  
121) }
```

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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