

Converting Colors

XYZ(37.6952, 19.0206, 20.3765)

Have a look what the booklet for
XYZ(37.6952, 19.0206, 20.3765)
contains.

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Color

**XYZ(37.8361, 19.0922,
20.4299)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EB007B |
| RGB | 235, 0, 123 |
| RGB Percent | 92%, 0%, 48% |
| CMY | 0.0784, 0.9998, 0.5176 |
| CMYK | 0.00, 1.00, 0.48, 0.08 |
| HSL | 329°, 100%, 46% |
| HSV | 329°, 100%, 92% |
| XYZ | 37.8361, 19.0922, 20.4299 |
| YIQ | 84.2870, 100.5770, 88.0730 |

Conversions

Conversions Part 2

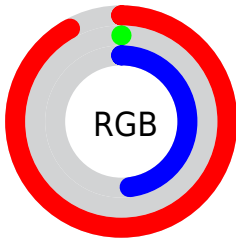
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 235, 0, 123 |
| Decimal | 15401083 |
| CIE _{Lab} | 50.79, 79.90, 0.67 |
| CIE _{LCh} | 51, 79.906, 0.477 |
| Yxy | 19.0922, 0.4891, 0.2468 |
| Android (android.graphics.Color) | 4293591163 (0xFFEB007B) |
| YUV | 84.2870, 19.0855, 132.1753 |
| Hunter-Lab | 43.6946, 78.1013, 2.8645 |

Details

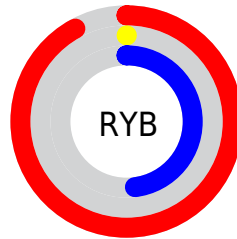
The XYZ color **37.8361, 19.0922, 20.4299** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **32.6364, 60.5879, 25.3189**, and the grayscale version is **8.4393, 8.8788, 9.6690**.

A 20% lighter version of the original color is **53.0701, 32.5396, 44.0411**, and **18.2833, 9.2787, 7.4839** is the 20% darker color. If you saturate the color by 10%, you get **37.8345, 19.0916, 20.4218**, and if you desaturate by 10%, it is **38.8956, 20.0240, 24.4435**.

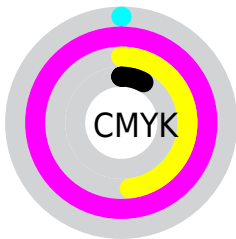
Distribution



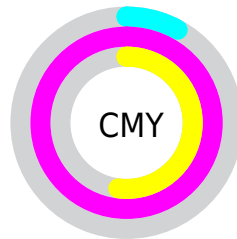
- Red (92%)
- Green (0%)
- Blue (48%)



- Red (92%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8361, 19.0922, 20.4299 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 37.8361, 19.0922, 20.4299 by changing the saturation by 10% instead.


 37.8361, 19.0922,
20.4299


 37.8361, 19.0922,
20.4299


328.2094,
246.9573, 266.9138

 26.0321, 11.7369,
12.5208


 71.1624, 41.8898,
45.0052


 16.9805, 6.5648,
6.9726


 93.4154, 58.1010,
62.5084


 10.3158, 3.1915,
3.3668


 119.8822, 78.0329,
84.0467

 5.6727, 1.2325,
1.2848

 150.9280,
102.0699, 110.0387

 2.6859, 0.0880,
0.0493

 186.9183,
130.5965, 140.9028

 0.9899, 0.0000,
0.0000

 228.2184,

 0.0000, 0.0000,

163.9969, 177.0577

0.0000

275.1936,
202.6558, 218.9219

■ 37.8361, 19.0922,
20.4299

■ 37.8361, 19.0922,
20.4299

■ 37.8345, 19.0916,
20.4218

■ 38.8956, 20.0240,
24.4435

■ 40.4216, 21.7562,
29.0211

■ 42.5381, 24.5328,
34.2163

■ 45.3184, 28.4969,
40.0650

■ 48.8247, 33.7690,
46.5992

■ 53.1112, 40.4544,
53.8477

■ 58.2272, 48.6479,
61.8372

■ 64.2173, 58.4357,
70.5927

■ 71.1230, 69.8977,
80.1378

Harmonies

Analogous

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



34.7246, 19.0922, 50.2323



37.8361, 19.0922, 20.4299



34.5310, 19.0922, 5.6586

Triad

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



37.8361, 19.0922, 20.4299



11.5114, 19.0922, 1.3507



11.6731, 19.0922, 85.7494

Complementary

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



37.8361, 19.0922, 20.4299



32.6364, 60.5879, 25.3189

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.



7.9914, 19.0922, 51.3646



37.8361, 19.0922, 20.4299



7.9188, 19.0922, 5.9249

Square

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



37.8361, 19.0922, 20.4299



18.0210, 19.0922, 0.5365



6.8432, 19.0922, 21.1506



18.2727, 19.0922, 101.0227

Rectangle

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



37.8361, 19.0922, 20.4299



29.5600, 19.0922, 2.0873



6.8432, 19.0922, 21.1506



10.1296, 19.0922, 75.2179

Sweetspot

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



37.8366, 19.0933, 20.4302



69.9848, 58.3900, 74.2774



21.3884, 9.2947, 79.2638



14.3960, 11.5577, 15.0042



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.



37.8366, 19.0933, 20.4302



45.5042, 22.9657, 24.3850



34.3046, 17.6805, 1.8310



15.3947, 15.1857, 17.3640



21.1217, 10.6514, 11.7081



1.7072, 0.8558, 1.1752

Inverse Universe

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



37.8366, 19.0933, 20.4302



45.5042, 22.9657, 24.3850



43.5973, 64.9722, 83.0379



15.3947, 15.1857, 17.3640



21.1217, 10.6514, 11.7081



1.7072, 0.8558, 1.1752

Previews

White Background



This preview shows how the XYZ color 37.8361, 19.0922, 20.4299 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 37.8361, 19.0922, 20.4299 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 37.8361, 19.0922, 20.4299

Background



This preview shows how black text looks on a background with the XYZ color 37.8361, 19.0922, 20.4299.



This preview shows how white text looks on a background with the XYZ color 37.8361, 19.0922,

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

37.8361, 19.0922, 20.4299

Protanopia

20.4821, 19.7921, 44.3357

Deuteranopia

19.9403, 19.5524, 18.3458



Tritanopia

34.6077, 19.4073, 4.8277

Trichromacy



Original Color

37.8361, 19.0922, 20.4299



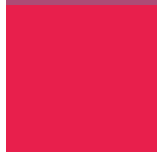
Protanomaly

21.6886, 14.4175, 33.5380



Deuteranomaly

22.9605, 15.2007, 18.5535



Tritanomaly

35.0732, 18.6576, 8.5902

Monochromacy



Original Color

37.8361, 19.0922, 20.4299



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.1252, 8.9170, 12.5320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8361, 19.0922, 20.4299 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 123) }
```

Border

The CSS property to change the border of an element to XYZ 37.8361, 19.0922, 20.4299 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, 123) }
```


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

```
.border{ border-color:rgb(235, 0, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8361, 19.0922, 20.4299 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, 123) }
```

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

```
.background{ background-color: rgb(235, 0,  
123) }
```

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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