

Converting Colors

XYZ(37.7621, 19.0598, 20.1660)

Have a look what the booklet for
XYZ(37.7621, 19.0598, 20.1660)
contains.

XYZ(37.7738, 19.0673, 20.1018)	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(37.7738, 19.0673,
20.1018)**

Conversions

Conversions Part 1

Format	Color
Hex	EB007A
RGB	235, 0, 122
RGB Percent	92%, 0%, 48%
CMY	0.0784, 0.9998, 0.5216
CMYK	0.00, 1.00, 0.48, 0.08
HSL	329°, 100%, 46%
HSV	329°, 100%, 92%
XYZ	37.7738, 19.0673, 20.1018
YIQ	84.1730, 100.8980, 87.7620

Conversions

Conversions Part 2

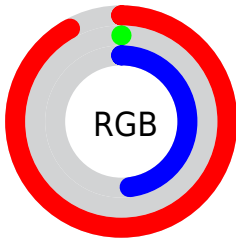
Format	Color
R_{YB}	235, 0, 122
Decimal	15401082
CIE _{Lab}	50.77, 79.83, 1.23
CIE _{LCh}	51, 79.836, 0.884
Yxy	19.0673, 0.4909, 0.2478
Android (android.graphics.Color)	4293591162 (0xFFEB007A)
YUV	84.1730, 18.6487, 132.2753
Hunter-Lab	43.6661, 77.9974, 3.2720

Details

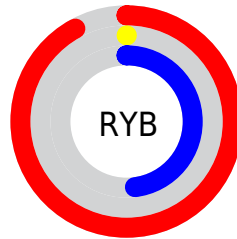
The XYZ color **37.7738, 19.0673, 20.1018** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **32.6926, 60.6103, 25.6144**, and the grayscale version is **8.4167, 8.8551, 9.6432**.

A 20% lighter version of the original color is **52.9722, 32.5004, 43.5257**, and **18.2493, 9.2651, 7.3051** is the 20% darker color. If you saturate the color by 10%, you get **37.7721, 19.0666, 20.0935**, and if you desaturate by 10%, it is **38.8330, 19.9990, 24.1136**.

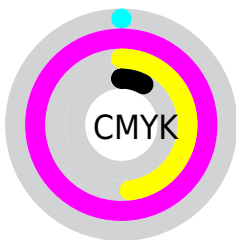
Distribution



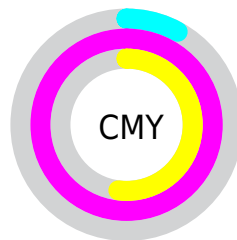
- Red (92%)
- Green (0%)
- Blue (48%)



- 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 37.7738, 19.0673, 20.1018 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 37.7738, 19.0673, 20.1018 by changing the saturation by 10% instead.


 37.7738, 19.0673,
20.1018


 37.7738, 19.0673,
20.1018


327.9463,
246.8200, 265.0881

 25.9836, 11.7189,
12.2843


 71.0674, 41.8478,
44.4490


 16.9440, 6.5526,
6.8127


 93.3016, 58.0487,
61.8157


 10.2896, 3.1839,
3.2686


 119.7477, 77.9692,
83.2026

 5.6551, 1.2285,
1.2333

 150.7713,
101.9938, 109.0282

 2.6752, 0.0848,
0.0062

 186.7375,
130.5067, 139.7110

 0.9844, 0.0000,
0.0000

 228.0119,

 0.0000, 0.0000,

163.8925, 175.6696

0.0000

274.9597,
202.5355, 217.3224

■ 37.7738, 19.0673,
20.1018

■ 37.7738, 19.0673,
20.1018

■ 37.7721, 19.0666,
20.0935

■ 38.8330, 19.9990,
24.1136

■ 40.3600, 21.7316,
28.6962

■ 42.4788, 24.5092,
33.9035

■ 45.2629, 28.4749,
39.7719

■ 48.7743, 33.7491,
46.3335

■ 53.0677, 40.4373,
53.6177

■ 58.1921, 48.6342,
61.6514

■ 64.1923, 58.4262,
70.4599

■ 71.1099, 69.8930,
80.0670

Harmonies

Analogous

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



34.7512, 19.0673, 49.6700



37.7738, 19.0673, 20.1018



34.3933, 19.0673, 5.5452

Triad

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



37.7738, 19.0673, 20.1018



11.4310, 19.0673, 1.3771



11.7300, 19.0673, 85.9815

Complementary

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



37.7738, 19.0673, 20.1018



32.6926, 60.6103, 25.6144

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.



8.0159, 19.0673, 51.7633



37.7738, 19.0673, 20.1018



7.8816, 19.0673, 6.0378

Square

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



37.7738, 19.0673, 20.1018



17.8912, 19.0673, 0.5384



6.8384, 19.0673, 21.4346



18.3566, 19.0673, 100.8258

Rectangle

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



37.7738, 19.0673, 20.1018



29.4011, 19.0673, 2.0460



6.8384, 19.0673, 21.4346



10.1756, 19.0673, 75.5439

Sweetspot

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



37.7743, 19.0684, 20.1021



69.9420, 58.3729, 74.0523



21.3885, 9.2948, 79.2638



14.3859, 11.5536, 14.9510



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.



37.7743, 19.0684, 20.1021



45.4292, 22.9357, 23.9902



34.3046, 17.6806, 1.8311



15.3920, 15.1846, 17.3494



21.0869, 10.6375, 11.5250



1.7044, 0.8547, 1.1609

Inverse Universe

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



37.7743, 19.0684, 20.1021



45.4292, 22.9357, 23.9902



43.5973, 64.9722, 83.0379



15.3920, 15.1846, 17.3494



21.0869, 10.6375, 11.5250



1.7044, 0.8547, 1.1609

Previews

White Background



This preview shows how the XYZ color 37.7738, 19.0673, 20.1018 looks on a white background.

Color Contrast Check

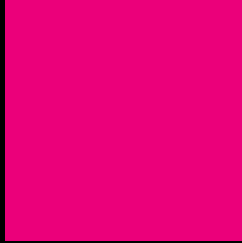
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7738, 19.0673, 20.1018 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 37.7738, 19.0673, 20.1018

Background



This preview shows how black text looks on a background with the XYZ color 37.7738, 19.0673, 20.1018.



This preview shows how white text looks on a background with the XYZ color 37.7738, 19.0673,

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

37.7738, 19.0673, 20.1018

Protanopia

20.4995, 19.8126, 43.8181

Deuteranopia

19.8843, 19.5300, 18.0509



Tritanopia

34.5663, 19.3246, 4.8139

Trichromacy



Original Color

37.7738, 19.0673, 20.1018



Protanomaly

21.6035, 14.3835, 33.0901



Deuteranomaly

22.9020, 15.1773, 18.2454



Tritanomaly

35.0732, 18.6576, 8.5902

Monochromacy



Original Color

37.7738, 19.0673, 20.1018



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 37.7738, 19.0673, 20.1018 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 122) }
```

Border

The CSS property to change the border of an element to XYZ 37.7738, 19.0673, 20.1018 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, 122) }
```


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

```
.border{ border-color:rgb(235, 0, 122) }
```

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, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7738, 19.0673, 20.1018 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, 122) }
```

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

```
.background{ background-color: rgb(235, 0,  
122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor