

Converting Colors

XYZ(38.5885, 19.1866, 33.7242)

Have a look what the booklet for
XYZ(38.5885, 19.1866, 33.7242)
contains.

XYZ(38.7189, 19.2573, 33.5746)	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(38.7189, 19.2573,
33.5746)**

Conversions

Conversions Part 1

Format	Color
Hex	E6009D
RGB	230, 0, 157
RGB Percent	90%, 0%, 62%
CMY	0.0980, 0.9998, 0.3843
CMYK	0.00, 1.00, 0.32, 0.10
HSL	319°, 100%, 45%
HSV	319°, 100%, 90%
XYZ	38.7189, 19.2573, 33.5746
YIQ	86.6680, 86.6830, 97.5870

Conversions

Conversions Part 2

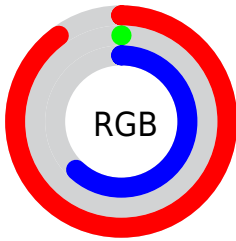
Format	Color
R_{YB}	230, 0, 157
Decimal	15073437
CIE _{Lab}	50.99, 81.91, -19.62
CIE _{LCh}	51, 84.232, 346.528
Yxy	19.2573, 0.4229, 0.2103
Android (android.graphics.Color)	4293263517 (0xFFE6009D)
YUV	86.6680, 34.6737, 125.7022
Hunter-Lab	43.8831, 80.6983, -14.6441

Details

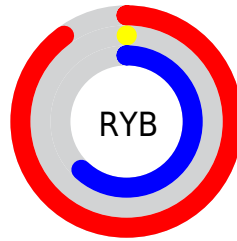
The XYZ color **38.7189, 19.2573, 33.5746** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **29.5016, 57.0756, 15.7734**, and the grayscale version is **8.9087, 9.3726, 10.2068**.

A 20% lighter version of the original color is **57.3065, 34.3792, 65.9028**, and **18.9637, 9.4756, 14.4651** is the 20% darker color. If you saturate the color by 10%, you get **38.7177, 19.2568, 33.5679**, and if you desaturate by 10%, it is **39.6686, 20.1289, 37.0595**.

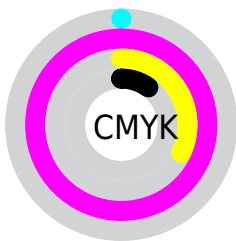
Distribution



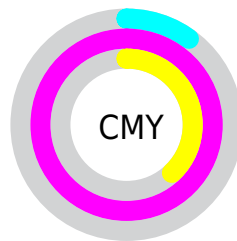
- Red (90%)
- Green (0%)
- Blue (62%)



- Red (90%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7189, 19.2573, 33.5746 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 38.7189, 19.2573, 33.5746 by changing the saturation by 10% instead.

 38.7189, 19.2573,
33.5746


 38.7189, 19.2573,
33.5746


331.9217,
247.8655, 332.9421


 26.7209, 11.8563,
22.2923


 72.5055, 42.1684,
66.3979


 17.4992, 6.6459,
13.8715


 95.0248, 58.4474,
88.7760

 10.6885, 3.2417,
7.8936


 121.7819, 78.4545,
115.6897

 5.9236, 1.2592,
3.9401

 153.1421,
102.5741, 147.5576

 2.8389, 0.1093,
1.5926

 189.4709,
131.1906, 184.7983

 1.0691, 0.0000,
0.2855

 231.1335,

 0.0000, 0.0000,

164.6884, 227.8302

0.0000

278.4953,
203.4519, 277.0720

■ 38.7189, 19.2573,
33.5746

■ 38.7189, 19.2573,
33.5746

■ 38.7177, 19.2568,
33.5679

■ 39.6686, 20.1289,
37.0595

■ 41.0203, 21.7441,
40.8653

■ 42.8913, 24.3359,
45.0340

■ 45.3493, 28.0395,
49.5914

■ 48.4517, 32.9683,
54.5594

■ 52.2487, 39.2217,
59.9575

■ 56.7852, 46.8889,
65.8035

■ 62.1024, 56.0513,
72.1139

■ 68.2382, 66.7841,
78.9039

Harmonies

Analogous

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



32.5633, 19.2573, 71.0173



38.7189, 19.2573, 33.5746



38.3557, 19.2573, 10.4373

Triad

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



38.7189, 19.2573, 33.5746



14.1141, 19.2573, 0.5004



9.3466, 19.2573, 74.9910

Complementary

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



38.7189, 19.2573, 33.5746



29.5016, 57.0756, 15.7734

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.



6.8411, 19.2573, 36.9142



38.7189, 19.2573, 33.5746



8.9659, 19.2573, 2.5933

Square

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



38.7189, 19.2573, 33.5746



22.2948, 19.2573, 0.4191



6.7270, 19.2573, 11.9932



14.8195, 19.2573, 104.7055

Rectangle

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



38.7189, 19.2573, 33.5746



34.4289, 19.2573, 3.7999



6.7270, 19.2573, 11.9932



8.2130, 19.2573, 61.8434

Sweetspot

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



38.7195, 19.2584, 33.5749



71.6436, 59.0535, 83.0126



17.0210, 7.1254, 75.3412



14.7909, 11.7156, 17.0835



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.



38.7195, 19.2584, 33.5749



48.8847, 24.3179, 42.1866



33.0553, 16.9927, 3.7475



14.7902, 14.5333, 17.0956



21.9776, 10.9253, 19.3089



1.6658, 0.8240, 1.6466

Inverse Universe

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



38.7195, 19.2584, 33.5749



48.8847, 24.3179, 42.1866



37.3575, 60.2180, 57.1421



14.7902, 14.5333, 17.0956



21.9776, 10.9253, 19.3089



1.6658, 0.8240, 1.6466

Previews

White Background



This preview shows how the XYZ color 38.7189, 19.2573, 33.5746 looks on a white background.

Color Contrast Check

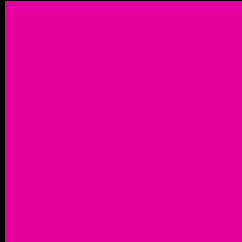
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7189, 19.2573, 33.5746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

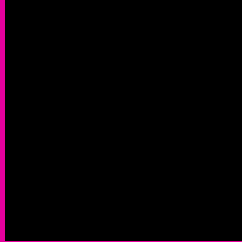
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.7189, 19.2573, 33.5746

Background



This preview shows how black text looks on a background with the XYZ color 38.7189, 19.2573, 33.5746.



This preview shows how white text looks on a background with the XYZ color 38.7189, 19.2573,

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

38.7189, 19.2573, 33.5746

Protanopia

22.8435, 20.1925, 73.2146

Deuteranopia

20.2170, 19.7934, 29.9491



Tritanopia

33.4172, 19.6742, 7.0372

Trichromacy



Original Color

38.7189, 19.2573, 33.5746



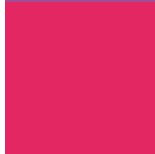
Protanomaly

22.0630, 14.0061, 56.1842



Deuteranomaly

23.1937, 15.1574, 30.5574



Tritanomaly

34.2942, 18.5016, 13.3189

Monochromacy



Original Color

38.7189, 19.2573, 33.5746



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.9383, 9.3912, 16.3546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7189, 19.2573, 33.5746 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(230, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 157)  
}
```

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(230, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 157) }
```

Border

The CSS property to change the border of an element to XYZ 38.7189, 19.2573, 33.5746 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(230, 0, 157) }
```


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

```
.border{ border-color:rgb(230, 0, 157) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7189, 19.2573, 33.5746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 157) }
```

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

```
.background{ background-color: rgb(230, 0,  
157) }
```

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