

Converting Colors

XYZ(37.9836, 23.0914, 20.0657)

Have a look what the booklet for
XYZ(37.9836, 23.0914, 20.0657)
contains.

XYZ(38.0390, 23.1578, 20.2343)	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(38.0390, 23.1578,
20.2343)**

Conversions

Conversions Part 1

Format	Color
Hex	E44D78
RGB	228, 77, 120
RGB Percent	89%, 30%, 47%
CMY	0.1059, 0.6980, 0.5294
CMYK	0.00, 0.66, 0.47, 0.11
HSL	343°, 74%, 60%
HSV	343°, 66%, 89%
XYZ	38.0390, 23.1578, 20.2343
YIQ	127.0510, 76.1930, 45.3850

Conversions

Conversions Part 2

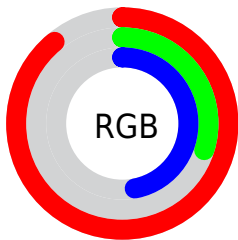
Format	Color
RYB	228, 77, 120
Decimal	14962040
CIELab	55.23, 61.42, 8.69
CIELCh	55, 62.034, 8.049
Yxy	23.1578, 0.4671, 0.2844
Android (android.graphics.Color)	4293152120 (0xFFE44D78)
YUV	127.0510, -3.4761, 88.5323
Hunter-Lab	48.1226, 56.8828, 8.7559

Details

The XYZ color **38.0390, 23.1578, 20.2343** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **39.5626, 60.5681, 55.5093**, and the grayscale version is **20.1847, 21.2359, 23.1259**.

A 20% lighter version of the original color is **57.2115, 41.2888, 43.9839**, and **17.1060, 8.6834, 6.9054** is the 20% darker color. If you saturate the color by 10%, you get **35.8069, 20.1450, 15.0161**, and if you desaturate by 10%, it is **40.9997, 27.3581, 26.5275**.

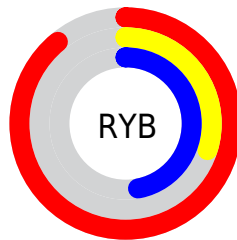
Distribution



Red (89%)

Green (30%)

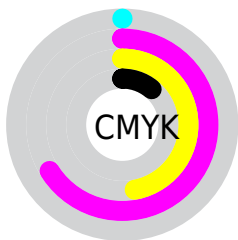
Blue (47%)



Red (89%)

Yellow (30%)

Blue (47%)

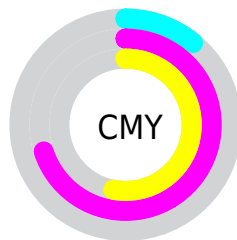


Cyan (0%)

Magenta (66%)

Yellow (47%)

Black (11%)



Cyan (11%)


Magenta (70%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0390, 23.1578, 20.2343 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 38.0390, 23.1578, 20.2343 by changing the saturation by 10% instead.


 38.0390, 23.1578,
20.2343


 38.0390, 23.1578,
20.2343

329.0652,
268.5345, 265.8268


 26.1903, 14.7101,
12.3797


 71.4714, 48.6523,
44.6738


 17.0995, 8.6162,
6.8772


 93.7859, 66.4679,
62.0957


 10.4012, 4.4917,
3.3081


 120.3196, 88.1748,
83.5439

 5.7301, 1.9522,
1.2540

 151.4380,
114.1576, 109.4368

 2.7207, 0.5795,
0.0237

 187.5064,
144.8005, 140.1930

 1.0079, 0.0000,
0.0000

228.8902,

 0.0000, 0.0000,

180.4881, 176.2311

0.0000

275.9546,
221.6046, 217.9695

■ 38.0390, 23.1578,
20.2343

■ 38.0390, 23.1578,
20.2343

■ 35.8069, 20.1450,
15.0161

■ 40.9997, 27.3581,
26.5275

■ 34.2317, 18.1899,
10.8061

■ 44.7476, 32.8504,
33.9536


■ 33.2281, 17.1368,
7.5304


■ 49.3373, 39.7318,
42.5679


■ 32.9467, 16.8747,
6.5092


■ 54.8178, 48.0891,
52.4211

■ 61.2341, 58.0021,
63.5610

 68.6284, 69.5446,
76.0329

 77.0400, 82.7858,
89.8796

 85.0834, 94.9454,
104.6680

 85.8049, 95.2340,
108.4673

Harmonies

Analogous

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



36.8482, 23.1578, 42.3634



38.0390, 23.1578, 20.2343



34.2766, 23.1578, 8.2363

Triad

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



38.0390, 23.1578, 20.2343



14.7696, 23.1578, 5.5080



17.3910, 23.1578, 79.8467

Complementary

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



38.0390, 23.1578, 20.2343



39.5626, 60.5681, 55.5093

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.



13.0879, 23.1578, 56.8554



38.0390, 23.1578, 20.2343



11.8109, 23.1578, 13.4596

Square

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



38.0390, 23.1578, 20.2343



20.1951, 23.1578, 3.1497



11.2676, 23.1578, 30.9523



23.9322, 23.1578, 85.1198

Rectangle

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



38.0390, 23.1578, 20.2343



29.8524, 23.1578, 4.7048



11.2676, 23.1578, 30.9523



15.6788, 23.1578, 73.5129

Sweetspot

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



38.0396, 23.1591, 20.2347



75.5561, 69.5350, 76.1271



36.1159, 20.9413, 75.5373



15.6739, 14.1140, 15.4285



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.



38.0396, 23.1591, 20.2347



45.4025, 25.0023, 17.4455



38.6141, 27.5886, 10.3128



14.5449, 14.4351, 15.8036



19.0687, 9.7617, 3.9908



1.4481, 0.7369, 0.5002

Inverse Universe

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



38.0396, 23.1591, 20.2347



45.4025, 25.0023, 17.4455



37.2137, 47.4772, 80.6014



14.5449, 14.4351, 15.8036



19.0687, 9.7617, 3.9908



1.4481, 0.7369, 0.5002

Previews

White Background



This preview shows how the XYZ color 38.0390, 23.1578, 20.2343 looks on a white background.

Color Contrast Check

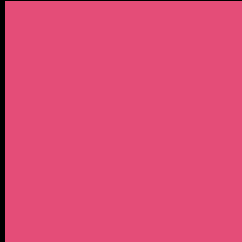
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.0390, 23.1578, 20.2343 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 38.0390, 23.1578, 20.2343

Background



This preview shows how black text looks on a background with the XYZ color 38.0390, 23.1578, 20.2343.

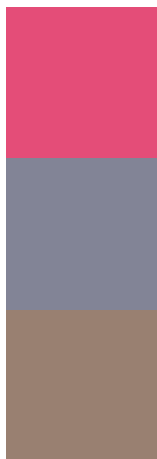


This preview shows how white text looks on a background with the XYZ color 38.0390, 23.1578,

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

38.0390, 23.1578, 20.2343

Protanopia

22.9622, 23.4504, 32.1703

Deuteranopia

23.8367, 23.4029, 18.8837



Tritanopia

36.2605, 23.0765, 11.9943

Trichromacy



Original Color

38.0390, 23.1578, 20.2343

Protanomaly

26.1803, 21.5594, 27.2076

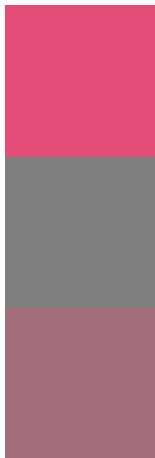
Deuteranomaly

27.4434, 21.9015, 19.3040

Tritanomaly

36.9212, 23.1359, 14.5763

Monochromacy



Original Color

38.0390, 23.1578, 20.2343

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

24.4166, 20.2850, 21.6973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0390, 23.1578, 20.2343 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(228, 77, 120)` looks like.

```
.text, #text, p{  
    color:rgb(228, 77, 120)  
}
```

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(228, 77, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 77, 120) }
```

Border

The CSS property to change the border of an element to XYZ 38.0390, 23.1578, 20.2343 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(228, 77, 120) }
```


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

```
.border{ border-color:rgb(228, 77, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 77, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 77, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 77, 120);  
box-shadow:4px 4px 4px 4px rgb(228, 77,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0390, 23.1578, 20.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 77, 120) }
```

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

```
.background{ background-color: rgb(228, 77,  
120) }
```

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