

Converting Colors

XYZ(38.6211, 23.6531, 34.3728)

Have a look what the booklet for
XYZ(38.6211, 23.6531, 34.3728)
contains.

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Color

**XYZ(38.6183, 23.6846,
34.4345)**

Conversions

Conversions Part 1

Format	Color
Hex	DC529D
RGB	220, 82, 157
RGB Percent	86%, 32%, 62%
CMY	0.1373, 0.6784, 0.3843
CMYK	0.00, 0.63, 0.29, 0.14
HSL	327°, 66%, 59%
HSV	327°, 63%, 86%
XYZ	38.6183, 23.6846, 34.4345
YIQ	131.8120, 58.1730, 52.5810

Conversions

Conversions Part 2

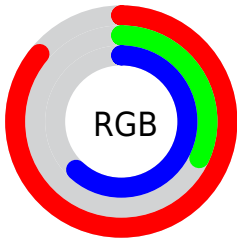
Format	Color
R_{YB}	220, 82, 157
Decimal	14439069
CIE Lab	55.77, 60.97, -12.52
CIE LCh	56, 62.245, 348.397
Yxy	23.6846, 0.3992, 0.2448
Android (android.graphics.Color)	4292629149 (0xFFDC529D)
YUV	131.8120, 12.4177, 77.3409
Hunter-Lab	48.6668, 56.4771, -7.8842

Details

The XYZ color **38.6183, 23.6846, 34.4345** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **34.1850, 55.0252, 35.6104**, and the grayscale version is **21.8077, 22.9433, 24.9853**.

A 20% lighter version of the original color is **62.2121, 44.1904, 67.5380**, and **17.4309, 8.8806, 14.4311** is the 20% darker color. If you saturate the color by 10%, you get **36.3946, 20.5535, 29.6349**, and if you desaturate by 10%, it is **41.4456, 27.9096, 39.7835**.

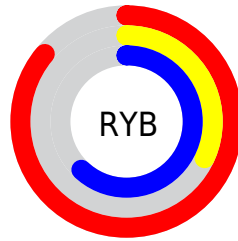
Distribution



Red (86%)

Green (32%)

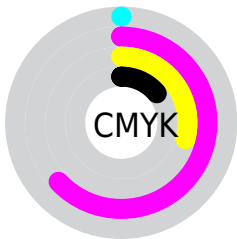
Blue (62%)



Red (86%)

Yellow (32%)

Blue (62%)

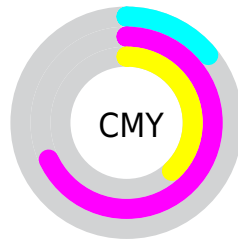


Cyan (0%)

Magenta (63%)

Yellow (29%)

Black (14%)



Cyan (14%)


Magenta (68%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6183, 23.6846, 34.4345 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 38.6183, 23.6846, 34.4345 by changing the saturation by 10% instead.


 38.6183, 23.6846,
34.4345


 38.6183, 23.6846,
34.4345


331.5001,
271.2220, 336.8933


 26.6423, 15.0998,
22.9475


 72.3527, 49.5150,
67.7504

 17.4400, 8.8895,
14.3498


 94.8417, 67.5295,
90.4164

 10.6459, 4.6692,
8.2229


 121.5659, 89.4559,
117.6458

 5.8948, 2.0545,
4.1481

 152.8904,
115.6787, 149.8572

 2.8213, 0.6388,
1.7069

189.1808,
146.5824, 187.4691

 1.0600, 0.0000,
0.3655

230.8023,

 0.0000, 0.0000,

182.5512, 230.9001

0.0000

278.1203,
223.9696, 280.5686

■ 38.6183, 23.6846,
34.4345

■ 38.6183, 23.6846,
34.4345

■ 36.3946, 20.5535,
29.6349

■ 41.4456, 27.9096,
39.7835

■ 34.7177, 18.4060,
25.3570

■ 44.9218, 33.3173,
45.7045

■ 33.5229, 17.1154,
21.5706

■ 49.0903, 39.9916,
52.2200

■ 32.8788, 16.5611,
19.0934

■ 53.9898, 48.0075,
59.3503

■ 59.6562, 57.4343,
67.1147

■ 66.1227, 68.3365,
75.5314

■ 73.4208, 80.7744,
84.6179

■ 80.6129, 92.8707,
94.0682

■ 82.1250, 93.4756,
102.0310

Harmonies

Analogous

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



34.2780, 23.6846, 61.2188



38.6183, 23.6846, 34.4345



38.0241, 23.6846, 15.3531

Triad

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



38.6183, 23.6846, 34.4345



18.4895, 23.6846, 3.6825



14.6408, 23.6846, 67.2072

Complementary

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



38.6183, 23.6846, 34.4345



34.1850, 55.0252, 35.6104

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.



11.9225, 23.6846, 40.1235



38.6183, 23.6846, 34.4345



13.8026, 23.6846, 7.6184

Square

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



38.6183, 23.6846, 34.4345



25.3567, 23.6846, 3.3660



11.6518, 23.6846, 18.7264



19.8875, 23.6846, 85.7792

Rectangle

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



38.6183, 23.6846, 34.4345



34.9289, 23.6846, 8.3825



11.6518, 23.6846, 18.7264



13.4529, 23.6846, 58.2982

Sweetspot

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



38.6190, 23.6858, 34.4349



78.1348, 71.5443, 86.6925



27.4561, 17.1418, 69.5719



16.2548, 14.5361, 17.9020



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.



38.6190, 23.6858, 34.4349



50.0980, 27.7141, 39.6014



34.3324, 21.9712, 11.8622



13.3505, 13.1693, 15.1071



19.3531, 9.7423, 11.5055



1.2971, 0.6485, 0.9734

Inverse Universe

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



38.6190, 23.6858, 34.4349



50.0980, 27.7141, 39.6014



41.0966, 57.7899, 72.0063



13.3505, 13.1693, 15.1071



19.3531, 9.7423, 11.5055



1.2971, 0.6485, 0.9734

Previews

White Background



This preview shows how the XYZ color 38.6183, 23.6846, 34.4345 looks on a white background.

Color Contrast Check

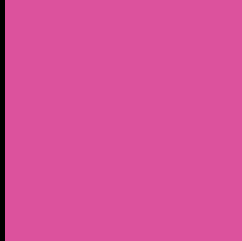
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6183, 23.6846, 34.4345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

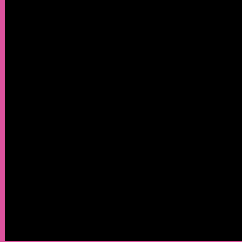
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6183, 23.6846, 34.4345

Background



This preview shows how black text looks on a background with the XYZ color 38.6183, 23.6846, 34.4345.



This preview shows how white text looks on a background with the XYZ color 38.6183, 23.6846,

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

38.6183, 23.6846, 34.4345

Protanopia

24.8359, 23.9531, 53.1836

Deuteranopia

24.4365, 24.0101, 32.2006



Tritanopia

34.5148, 23.5908, 15.3047

Trichromacy



Original Color

38.6183, 23.6846, 34.4345

Protanomaly

27.2909, 22.0616, 45.4678

Deuteranomaly

28.0171, 22.5452, 33.0120

Tritanomaly

35.7843, 23.4692, 21.0563

Monochromacy



Original Color

38.6183, 23.6846, 34.4345

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

26.1349, 21.8502, 28.0394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6183, 23.6846, 34.4345 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(220, 82, 157)` looks like.

```
.text, #text, p{  
    color:rgb(220, 82, 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(220, 82, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 82, 157) }
```

Border

The CSS property to change the border of an element to XYZ 38.6183, 23.6846, 34.4345 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(220, 82, 157) }
```


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

```
.border{ border-color:rgb(220, 82, 157) }
```

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

Here you see how a box with a 4 pixel rgb(220, 82, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 82, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 82, 157);  
box-shadow:4px 4px 4px 4px rgb(220, 82,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6183, 23.6846, 34.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 82, 157) }
```

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

```
.background{ background-color: rgb(220, 82,  
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](#).

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