

Converting Colors

XYZ(38.3182, 23.8224, 40.4472)

Have a look what the booklet for
XYZ(38.3182, 23.8224, 40.4472)
contains.

XYZ(38.3150, 23.8540, 40.6151)	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(38.3150, 23.8540,
40.6151)**

Conversions

Conversions Part 1

Format	Color
Hex	D656AA
RGB	214, 86, 170
RGB Percent	84%, 34%, 67%
CMY	0.1608, 0.6627, 0.3333
CMYK	0.00, 0.60, 0.21, 0.16
HSL	321°, 61%, 59%
HSV	321°, 60%, 84%
XYZ	38.3150, 23.8540, 40.6151
YIQ	133.8480, 49.3240, 53.2600

Conversions

Conversions Part 2

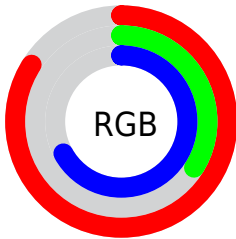
Format	Color
R_{YB}	214, 86, 170
Decimal	14046890
CIE _{Lab}	55.94, 59.27, -19.93
CIE _{LCh}	56, 62.528, 341.410
Yxy	23.8540, 0.3728, 0.2321
Android (android.graphics.Color)	4292236970 (0xFFD656AA)
YUV	133.8480, 17.8229, 70.2933
Hunter-Lab	48.8406, 54.5608, -15.1163

Details

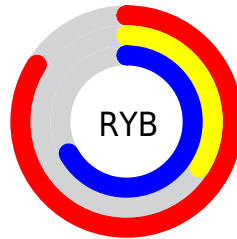
The XYZ color **38.3150, 23.8540, 40.6151** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **31.9148, 51.6839, 29.4154**, and the grayscale version is **22.5292, 23.7025, 25.8120**.

A 20% lighter version of the original color is **64.5036, 46.0422, 76.7215**, and **17.2867, 8.9887, 17.9634** is the 20% darker color. If you saturate the color by 10%, you get **36.1785, 20.6634, 36.5649**, and if you desaturate by 10%, it is **41.0033, 28.0852, 45.0418**.

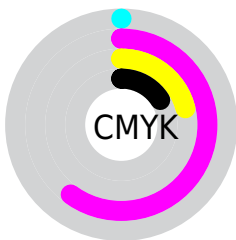
Distribution



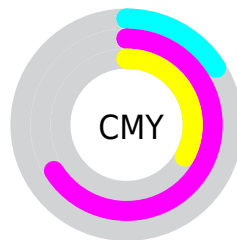
- Red (84%)
- Green (34%)
- Blue (67%)



- Red (84%)
- Yellow (34%)
- Blue (67%)



- Cyan (0%)
- Magenta (60%)
- Yellow (21%)
- Black (16%)



- Cyan (16%)
- Magenta (66%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3150, 23.8540, 40.6151 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 38.3150, 23.8540, 40.6151 by changing the saturation by 10% instead.

38.3150, 23.8540,
40.6151

38.3150, 23.8540,
40.6151

330.2268,
272.0815, 364.3382

26.4056, 15.2254,
27.7010

71.8915, 49.7918,
77.3466

17.2616, 8.9777,
17.8633

94.2893, 67.8698,
102.0010

10.5176, 4.7266,
10.6835

120.9139, 89.8664,
131.4061

5.8084, 2.0878,
5.7429

152.1307,
116.1659, 165.9802

2.7685, 0.6577,
2.6232

188.3050,
147.1528, 206.1419

1.0325, 0.0000,
0.9044

229.8023,

0.0000, 0.0000,

183.2114, 252.3098

0.0000

276.9877,
224.7262, 304.9024

■ 38.3150, 23.8540,
40.6151

■ 38.3150, 23.8540,
40.6151

■ 36.1785, 20.6634,
36.5649

■ 41.0033, 28.0852,
45.0418

■ 34.5436, 18.4153,
32.8709

■ 44.2833, 33.4366,
49.8606

■ 33.3547, 16.9986,
29.5113

■ 48.1933, 39.9839,
55.0877

■ 32.5121, 16.2155,
26.4498

■ 52.7680, 47.7953,
60.7374

■ 32.4974, 16.2025,
26.3938

■ 58.0392, 56.9337,
66.8232

■ 64.0369, 67.4579,
73.3578

■ 70.7891, 79.4231,
80.3534

■ 77.6140, 91.4651,
87.5853

■ 78.6625, 91.8845,
93.1064

Harmonies

Analogous

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



33.0082, 23.8540, 67.9740



38.3150, 23.8540, 40.6151



38.9492, 23.8540, 18.9515

Triad

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



38.3150, 23.8540, 40.6151



20.0660, 23.8540, 3.3620



13.8633, 23.8540, 61.5802

Complementary

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



38.3150, 23.8540, 40.6151



31.9148, 51.6839, 29.4154

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.



11.7106, 23.8540, 34.5443



38.3150, 23.8540, 40.6151



14.7568, 23.8540, 6.2478

Square

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



38.3150, 23.8540, 40.6151



27.3319, 23.8540, 3.6984



11.9991, 23.8540, 15.3555



18.5752, 23.8540, 83.8250

Rectangle

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



38.3150, 23.8540, 40.6151



36.5079, 23.8540, 10.4092



11.9991, 23.8540, 15.3555



12.8660, 23.8540, 52.2930

Sweetspot

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



38.3157, 23.8552, 40.6156



79.6777, 73.1551, 91.7536



24.4694, 16.1532, 65.4467



16.5932, 14.8643, 19.0897



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.



38.3157, 23.8552, 40.6156



53.0204, 29.6182, 52.7246



33.7317, 22.0216, 16.4764



12.7632, 12.5568, 14.6933



19.6931, 9.8136, 16.2199



1.2260, 0.6072, 1.1795

Inverse Universe

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



38.3157, 23.8552, 40.6156



53.0204, 29.6182, 52.7246



37.4737, 53.9075, 58.6883



12.7632, 12.5568, 14.6933



19.6931, 9.8136, 16.2199



1.2260, 0.6072, 1.1795

Previews

White Background



This preview shows how the XYZ color 38.3150, 23.8540, 40.6151 looks on a white background.

Color Contrast Check

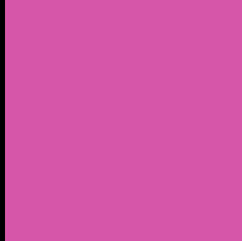
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3150, 23.8540, 40.6151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

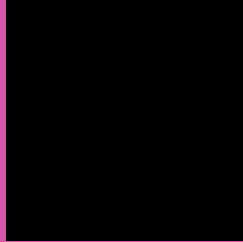
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.3150, 23.8540, 40.6151

Background



This preview shows how black text looks on a background with the XYZ color 38.3150, 23.8540, 40.6151.



This preview shows how white text looks on a background with the XYZ color 38.3150, 23.8540,

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

38.3150, 23.8540, 40.6151

Protanopia

25.5774, 24.1615, 61.0732

Deuteranopia

24.6936, 24.2152, 38.0228



Tritanopia

33.3729, 23.8000, 17.0223

Trichromacy



Original Color

38.3150, 23.8540, 40.6151



Protanomaly

27.6778, 22.2703, 52.7090



Deuteranomaly

28.1179, 22.8012, 38.9955



Tritanomaly

34.8579, 23.7061, 24.2112

Monochromacy



Original Color

38.3150, 23.8540, 40.6151



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.7320, 22.6157, 30.5601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3150, 23.8540, 40.6151 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(214, 86, 170)` looks like.

```
.text, #text, p{  
    color:rgb(214, 86, 170)  
}
```

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(214, 86, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 86, 170) }
```

Border

The CSS property to change the border of an element to XYZ 38.3150, 23.8540, 40.6151 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(214, 86, 170) }
```


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

```
.border{ border-color:rgb(214, 86, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 86, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 86, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 86, 170);  
box-shadow:4px 4px 4px 4px rgb(214, 86,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3150, 23.8540, 40.6151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 86, 170) }
```

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

```
.background{ background-color: rgb(214, 86,  
170) }
```

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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