

Converting Colors

XYZ(33.0601, 20.3090, 38.3123)

Have a look what the booklet for
XYZ(33.0601, 20.3090, 38.3123)
contains.

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Color

**XYZ(33.1605, 20.3441,
38.2554)**

Conversions

Conversions Part 1

Format	Color
Hex	C74EA6
RGB	199, 78, 166
RGB Percent	78%, 31%, 65%
CMY	0.2196, 0.6941, 0.3490
CMYK	0.00, 0.61, 0.17, 0.22
HSL	316°, 52%, 54%
HSV	316°, 61%, 78%
XYZ	33.1605, 20.3441, 38.2554
YIQ	124.2110, 43.8680, 53.0200

Conversions

Conversions Part 2

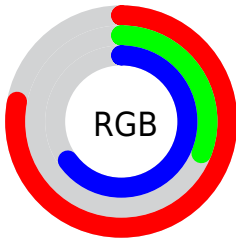
Format	Color
R_{YB}	199, 78, 166
Decimal	13061798
CIE _{Lab}	52.22, 57.92, -23.50
CIE _{LCh}	52, 62.506, 337.918
Yxy	20.3441, 0.3614, 0.2217
Android (android.graphics.Color)	4291251878 (0xFFC74EA6)
YUV	124.2110, 20.6020, 65.5900
Hunter-Lab	45.1044, 52.2993, -18.7138

Details

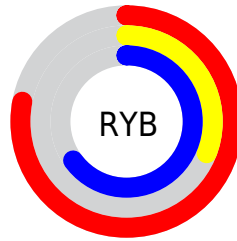
The XYZ color **33.1605, 20.3441, 38.2554** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **26.4356, 43.6149, 22.0661**, and the grayscale version is **19.1526, 20.1501, 21.9434**.

A 20% lighter version of the original color is **62.6787, 43.2555, 73.4522**, and **14.3123, 7.2050, 16.5560** is the 20% darker color. If you saturate the color by 10%, you get **31.4672, 17.7372, 35.2862**, and if you desaturate by 10%, it is **35.3038, 23.8167, 41.4787**.

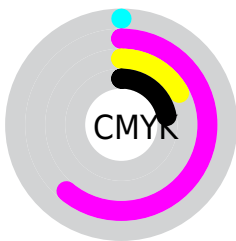
Distribution



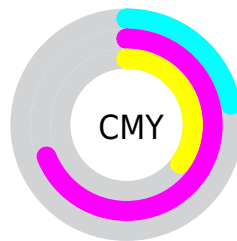
- Red (78%)
- Green (31%)
- Blue (65%)



- Red (78%)
- Yellow (31%)
- Blue (65%)



- Cyan (0%)
- Magenta (61%)
- Yellow (17%)
- Black (22%)



- Cyan (22%)
- Magenta (69%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1605, 20.3441, 38.2554 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 33.1605, 20.3441, 38.2554 by changing the saturation by 10% instead.

33.1605, 20.3441,
38.2554

33.1605, 20.3441,
38.2554

308.0245,
253.7719, 354.0453

22.4093, 12.6454,
25.8776

63.9790, 43.9933,
73.7072

14.2762, 7.1848,
16.5072

84.7770, 60.7127,
97.6183

8.3960, 3.5780,
9.7255

109.6546, 81.2077,
126.2108

4.4033, 1.4404,
5.1141

138.9772,
105.8628, 159.9035

1.9327, 0.2462,
2.2545

173.1102,
135.0624, 199.1147

0.5957, 0.0000,
0.7055

212.4188,

0.0000, 0.0000,

169.1908, 244.2630

0.0000

257.2685,
208.6325, 295.7671

■ 33.1605, 20.3441,
38.2554

■ 33.1605, 20.3441,
38.2554

■ 31.4672, 17.7372,
35.2862

■ 35.3038, 23.8167,
41.4787

■ 30.1817, 15.9131,
32.5551

■ 37.9304, 28.2221,
44.9678

■ 29.2569, 14.7777,
30.0455

■ 41.0726, 33.6242,
48.7349

■ 28.6430, 14.1780,
27.9039

■ 44.7592, 40.0804,
52.7908

■ 49.0169, 47.6435,
57.1457

■ 53.8706, 56.3631,
61.8088

■ 59.3437, 66.2856,
66.7893

■ 65.4583, 77.4549,
72.0955

■ 71.5596, 88.5607,
77.5104

Harmonies

Analogous

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



27.9467, 20.3441, 63.3199



33.1605, 20.3441, 38.2554



34.3008, 20.3441, 17.6342

Triad

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



33.1605, 20.3441, 38.2554



17.6872, 20.3441, 2.3542



11.1491, 20.3441, 51.7101

Complementary

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



33.1605, 20.3441, 38.2554



26.4356, 43.6149, 22.0661

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.



9.5144, 20.3441, 27.3804



33.1605, 20.3441, 38.2554



12.7058, 20.3441, 4.3396

Square

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



33.1605, 20.3441, 38.2554



24.3521, 20.3441, 2.8969



10.0134, 20.3441, 11.3512



15.0616, 20.3441, 73.6317

Rectangle

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



33.1605, 20.3441, 38.2554



32.4062, 20.3441, 9.3900



10.0134, 20.3441, 11.3512



10.3594, 20.3441, 43.1397

Sweetspot

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



33.1612, 20.3451, 38.2558



80.1644, 73.3498, 94.3166



19.4980, 12.9057, 55.4965



16.7127, 14.9121, 19.7189



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.



33.1612, 20.3451, 38.2558



54.2855, 29.8684, 60.1749



28.8921, 18.6375, 15.7754



10.9549, 10.7653, 12.7457



18.4563, 9.1321, 18.1447



0.9032, 0.4441, 1.0132

Inverse Universe

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



33.1612, 20.3451, 38.2558



54.2855, 29.8684, 60.1749



30.8946, 45.3985, 45.5470



10.9549, 10.7653, 12.7457



18.4563, 9.1321, 18.1447



0.9032, 0.4441, 1.0132

Previews

White Background



This preview shows how the XYZ color 33.1605, 20.3441, 38.2554 looks on a white background.

Color Contrast Check

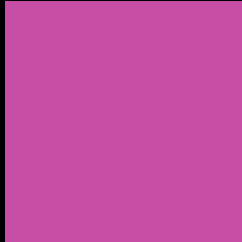
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1605, 20.3441, 38.2554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

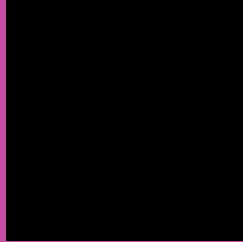
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1605, 20.3441, 38.2554

Background



This preview shows how black text looks on a background with the XYZ color 33.1605, 20.3441, 38.2554.



This preview shows how white text looks on a background with the XYZ color 33.1605, 20.3441,

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

33.1605, 20.3441, 38.2554

Protanopia

22.3449, 20.8159, 58.0985

Deuteranopia

21.0867, 20.6622, 35.6777



Tritanopia

28.3440, 20.2824, 14.7329

Trichromacy



Original Color

33.1605, 20.3441, 38.2554



Protanomaly

24.0077, 19.1328, 50.0046



Deuteranomaly

24.1737, 19.5136, 36.6748



Tritanomaly

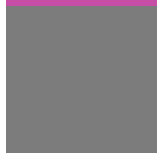
29.6971, 20.0622, 21.7092

Monochromacy



Original Color

33.1605, 20.3441, 38.2554



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

22.6804, 18.9588, 26.8901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1605, 20.3441, 38.2554 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(199, 78, 166)` looks like.

```
.text, #text, p{  
    color:rgb(199, 78, 166)  
}
```

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(199, 78, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 78, 166) }
```

Border

The CSS property to change the border of an element to XYZ 33.1605, 20.3441, 38.2554 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(199, 78, 166) }
```


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

```
.border{ border-color:rgb(199, 78, 166) }
```

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

Here you see how a box with a 4 pixel rgb(199, 78, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 78, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 78, 166);  
box-shadow:4px 4px 4px 4px rgb(199, 78,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1605, 20.3441, 38.2554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 78, 166) }
```

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

```
.background{ background-color: rgb(199, 78,  
166) }
```

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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