

Converting Colors

$Y_{xy}(38.0980, 0.2954, 0.2455)$

Have a look what the booklet for
Yxy(38.0980, 0.2954, 0.2455)
contains.

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Color

Yxy(38.1589, 0.2955, 0.2456)

Conversions

Conversions Part 1

Format	Color
Hex	C395DA
RGB	195, 149, 218
RGB Percent	76%, 58%, 85%
CMY	0.2353, 0.4157, 0.1450
CMYK	0.11, 0.32, 0.00, 0.14
HSL	280°, 48%, 72%
HSV	280°, 32%, 86%
XYZ	45.9119, 38.1589, 71.2993
YIQ	170.6200, 5.2670, 31.2110

Conversions

Conversions Part 2

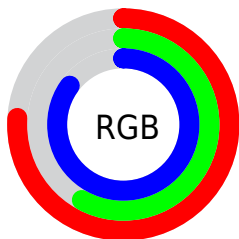
Format	Color
RYB	195, 149, 218
Decimal	12817882
CIELab	68.14, 29.65, -28.61
CIElCh	68, 41.204, 316.023
Yxy	38.1589, 0.2955, 0.2456
Android (android.graphics.Color)	4291007962 (0xFFC395DA)
YUV	170.6200, 23.3583, 21.3813
Hunter-Lab	61.7729, 24.5652, -25.1925

Details

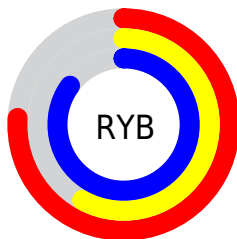
The Yxy color **38.1589, 0.2955, 0.2456** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.1055, 0.3247, 0.4175**, and the grayscale version is **40.4044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1012, 0.3129, 0.2788**, and **16.9552, 0.2886, 0.2245** is the 20% darker color. If you saturate the color by 10%, you get **30.9497, 0.2882, 0.2179**, and if you desaturate by 10%, it is **46.7099, 0.3019, 0.2732**.

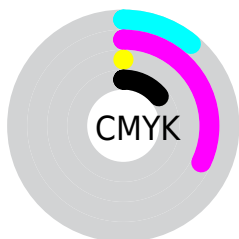
Distribution



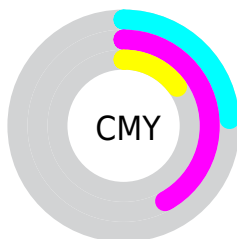
- Red (76%)
- Green (58%)
- Blue (85%)



- Red (76%)
- Yellow (58%)
- Blue (85%)



- Cyan (11%)
- Magenta (32%)
- Yellow (0%)
- Black (14%)





- Cyan (24%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1589, 0.2955, 0.2456 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 Yxy color 38.1589, 0.2955, 0.2456 by changing the saturation by 10% instead.


 38.1589, 0.2955,
0.2456


 38.1589, 0.2955,
0.2456


338.3011, 0.3052,
0.2859

 26.1060, 0.2928,
0.2361


 72.3516, 0.2992,
0.2599

 16.9030, 0.2892,
0.2241

 95.2603, 0.3006,
0.2653

 10.1653, 0.2841,
0.2088


122.5563, 0.3017,
0.2700

 5.5087, 0.2767,
0.1885

154.6241, 0.3026,
0.2740

 2.5487, 0.2650,
0.1607

191.8481, 0.3034,
0.2775

 0.9010, 0.2445,
0.1212

234.6127, 0.3041,


 0.0000, 0.2068,


0.2806

0.0000


283.3022, 0.3047,
0.2834

 0.0000, 0.0000,
0.0000


 38.1589, 0.2955,
0.2456

 38.1589, 0.2955,
0.2456


 30.9497, 0.2882,
0.2179


 46.7099, 0.3019,
0.2732


 25.0047, 0.2801,
0.1910


 56.6652, 0.3074,
0.2998


 20.2453, 0.2714,
0.1662


 68.0891, 0.3120,
0.3250

 16.5824, 0.2624,
0.1447


 81.0403, 0.3159,
0.3483


 13.9134, 0.2533,
0.1275

 93.6351, 0.3193,
0.3668


 12.1157, 0.2445,
0.1152

 94.8735, 0.3239,
0.3663

 11.1103, 0.2374,
0.1082

 96.1627, 0.3286,
0.3657

 97.5035, 0.3333,
0.3652

 97.8438, 0.3345,
0.3651

Harmonies

Analogous

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



38.1589, 0.2431, 0.2332



38.1589, 0.2955, 0.2456



38.1589, 0.3584, 0.2755

Triad

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



38.1589, 0.2955, 0.2456



38.1589, 0.4217, 0.4090



38.1589, 0.2212, 0.3292

Complementary

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



38.1589, 0.2955, 0.2456



61.1055, 0.3247, 0.4175

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.



38.1589, 0.2626, 0.3923



38.1589, 0.2955, 0.2456



38.1589, 0.3785, 0.4382

Square

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



38.1589, 0.2955, 0.2456



38.1589, 0.4353, 0.3647



38.1589, 0.3201, 0.4349



38.1589, 0.2038, 0.2743

Rectangle

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



38.1589, 0.2955, 0.2456



38.1589, 0.3965, 0.3026



38.1589, 0.3201, 0.4349



38.1589, 0.2325, 0.3506

Sweetspot

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



38.1605, 0.2955, 0.2456



84.7980, 0.3087, 0.3065



41.4022, 0.2605, 0.2694



17.6597, 0.3079, 0.3027



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.1605, 0.2955, 0.2456



47.3437, 0.2907, 0.2270



40.9435, 0.3257, 0.2614



13.0460, 0.3085, 0.3056



6.7148, 0.2387, 0.1088



0.4814, 0.2523, 0.1163

Inverse Universe

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



39.3849, 0.3606, 0.3014



49.4843, 0.3751, 0.2954



59.0663, 0.3021, 0.4077



13.1228, 0.3240, 0.3212



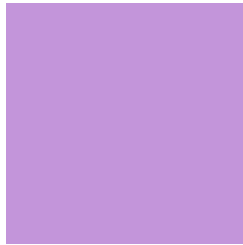
9.2339, 0.5628, 0.2874



0.6139, 0.5167, 0.2620

Previews

White Background



This preview shows how the Yxy color 38.1589, 0.2955, 0.2456 looks on a white background.

Color Contrast Check

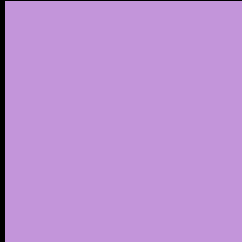
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.1589, 0.2955, 0.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

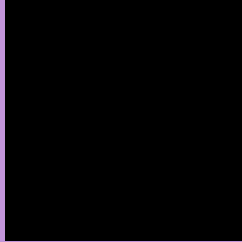
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1589, 0.2955, 0.2456

Background



This preview shows how black text looks on a background with the Yxy color 38.1589, 0.2955, 0.2456.



This preview shows how white text looks on a background with the Yxy color 38.1589, 0.2955, 0.2456.

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

38.1589, 0.2955, 0.2456

Protanopia

38.4111, 0.2508, 0.2442

Deuteranopia

38.1686, 0.2661, 0.2599



Tritanopia

38.0854, 0.3300, 0.3118

Trichromacy



Original Color

38.1589, 0.2955, 0.2456

Protanomaly

38.1250, 0.2650, 0.2446

Deuteranomaly

37.9576, 0.2760, 0.2543

Tritanomaly

38.1499, 0.3176, 0.2865

Monochromacy



Original Color

38.1589, 0.2955, 0.2456

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.5285, 0.3069, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1589, 0.2955, 0.2456 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(195, 149, 218)` looks like.

```
.text, #text, p{  
    color:rgb(195, 149, 218)  
}
```

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(195, 149, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 149, 218) }
```

Border

The CSS property to change the border of an element to Yxy 38.1589, 0.2955, 0.2456 is called "border". The border property can be set on classes, ids or directly on the HTML element.

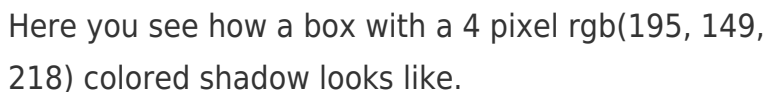
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 149, 218) }
```

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

```
.border{ border-color:rgb(195, 149, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 149, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 149, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 149, 218); box-shadow:4px 4px 4px 4px rgb(195, 149, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1589, 0.2955, 0.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 149, 218) }
```

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

```
.background{ background-color: rgb(195,  
149, 218) }
```

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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