

Converting Colors

$Y_{xy}(40.0669, 0.3281, 0.2698)$

Have a look what the booklet for
Yxy(40.0669, 0.3281, 0.2698)
contains.

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Color

Yxy(40.1290, 0.3279, 0.2698)

Conversions

Conversions Part 1

Format	Color
Hex	D596C8
RGB	213, 150, 200
RGB Percent	84%, 59%, 78%
CMY	0.1648, 0.4117, 0.2156
CMYK	0.00, 0.30, 0.06, 0.16
HSL	312°, 43%, 71%
HSV	312°, 30%, 84%
XYZ	48.7706, 40.1290, 59.8365
YIQ	174.5370, 21.4980, 28.9060

Conversions

Conversions Part 2

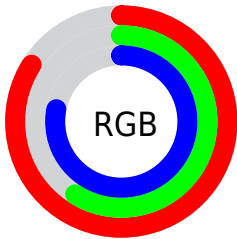
Format	Color
R_{YB}	213, 150, 200
Decimal	13997768
CIE _{Lab}	69.56, 31.49, -16.30
CIE _{LCh}	70, 35.461, 332.635
Yxy	40.1290, 0.3279, 0.2698
Android (android.graphics.Color)	4292187848 (0xFFD596C8)
YUV	174.5370, 12.5533, 33.7321
Hunter-Lab	63.3475, 26.5673, -11.6607

Details

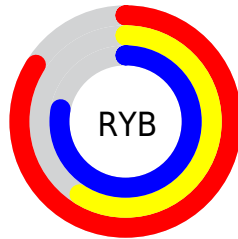
The Yxy color $40.1290, 0.3279, 0.2698$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $56.7067, 0.3005, 0.3966$, and the grayscale version is $42.5452, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.1426, 0.3150, 0.2801$, and $17.9788, 0.3311, 0.2537$ is the 20% darker color. If you saturate the color by 10%, you get $33.7377, 0.3345, 0.2498$, and if you desaturate by 10%, it is $47.7651, 0.3221, 0.2902$.

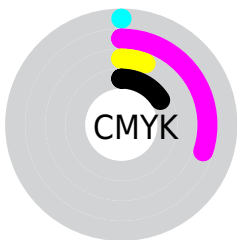
Distribution



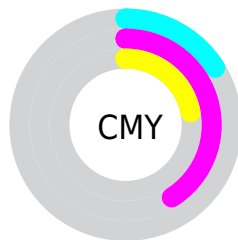
- Red (84%)
- Green (59%)
- Blue (78%)



- Red (84%)
- Yellow (59%)
- Blue (78%)



- Cyan (0%)
- Magenta (30%)
- Yellow (6%)
- Black (16%)





- Cyan (16%)
- Magenta (41%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1290, 0.3279, 0.2698 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 40.1290, 0.3279, 0.2698 by changing the saturation by 10% instead.


 40.1290, 0.3279,
0.2698


 40.1290, 0.3279,
0.2698


346.6670, 0.3208,
0.2986

 27.6391, 0.3295,
0.2628


 75.3599, 0.3254,
0.2801

 18.0538, 0.3315,
0.2541


 98.8697, 0.3245,
0.2840

 10.9886, 0.3341,
0.2426


126.8217, 0.3236,
0.2874

 6.0592, 0.3373,
0.2272

159.6002, 0.3229,
0.2902

 2.8811, 0.3416,
0.2052

197.5895, 0.3223,
0.2927

 1.0700, 0.3472,
0.1718

241.1742, 0.3217,


 0.0000, 0.3982,


0.2949

0.0000


290.7385, 0.3212,
0.2969


 0.0000, 0.0000,
0.0000


 40.1290, 0.3279,
0.2698


 40.1290, 0.3279,
0.2698


 33.7377, 0.3345,
0.2498


 47.7651, 0.3221,
0.2902


 28.5187, 0.3417,
0.2311

 56.7025, 0.3169,
0.3104


 24.4005, 0.3494,
0.2146

 67.0009, 0.3125,
0.3298

 21.3015, 0.3575,
0.2014

 78.7145, 0.3088,
0.3482

 19.1286, 0.3656,
0.1923

 90.9335, 0.3056,
0.3639

■ 17.7718, 0.3736,
0.1879

■ 91.1713, 0.3032,
0.3591

■ 17.0417, 0.3812,
0.1876

■ 91.4154, 0.3008,
0.3544

■ 17.0145, 0.3816,
0.1876

■ 91.6656, 0.2984,
0.3497

■ 91.9220, 0.2960,
0.3451

Harmonies

Analogous

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



40.1290, 0.2766, 0.2501



40.1290, 0.3279, 0.2698



40.1290, 0.3787, 0.3026

Triad

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



40.1290, 0.3279, 0.2698



40.1290, 0.3883, 0.4140



40.1290, 0.2231, 0.3024

Complementary

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



40.1290, 0.3279, 0.2698



56.7067, 0.3005, 0.3966

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.



40.1290, 0.2483, 0.3537



40.1290, 0.3279, 0.2698



40.1290, 0.3429, 0.4233

Square

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



40.1290, 0.3279, 0.2698



40.1290, 0.4143, 0.3829



40.1290, 0.2916, 0.4010



40.1290, 0.2198, 0.2649

Rectangle

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



40.1290, 0.3279, 0.2698



40.1290, 0.4035, 0.3289



40.1290, 0.2916, 0.4010



40.1290, 0.2291, 0.3186

Sweetspot

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



40.1308, 0.3279, 0.2698



85.9211, 0.3167, 0.3113



34.3640, 0.2712, 0.2457



17.9379, 0.3174, 0.3084



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.



40.1308, 0.3279, 0.2698



54.5353, 0.3316, 0.2581



38.8201, 0.3585, 0.3059



12.5869, 0.3169, 0.3107



10.4105, 0.3805, 0.1870



0.6392, 0.3683, 0.1802

Inverse Universe

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



40.1308, 0.3279, 0.2698



54.5353, 0.3316, 0.2581



57.9628, 0.2813, 0.3536



12.5869, 0.3169, 0.3107



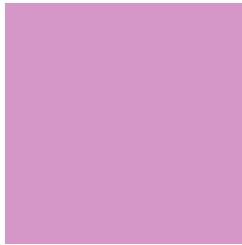
10.4105, 0.3805, 0.1870



0.6392, 0.3683, 0.1802

Previews

White Background



This preview shows how the Yxy color 40.1290, 0.3279, 0.2698 looks on a white background.

Color Contrast Check

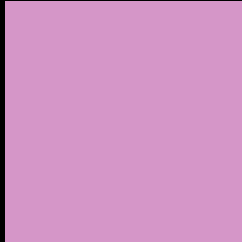
Large Text (above 18pt) WCAG AA × Fail

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 40.1290, 0.3279, 0.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

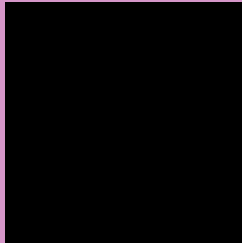
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1290, 0.3279, 0.2698

Background



This preview shows how black text looks on a background with the Yxy color 40.1290, 0.3279, 0.2698.



This preview shows how white text looks on a background with the Yxy color 40.1290, 0.3279, 0.2698.

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

40.1290, 0.3279, 0.2698

Protanopia

40.6536, 0.2713, 0.2710

Deuteranopia

40.3023, 0.2943, 0.2881



Tritanopia

40.1594, 0.3540, 0.3142

Trichromacy



Original Color

40.1290, 0.3279, 0.2698

Protanomaly

39.9784, 0.2898, 0.2701

Deuteranomaly

39.9102, 0.3058, 0.2806

Tritanomaly

40.1081, 0.3436, 0.2972

Monochromacy



Original Color

40.1290, 0.3279, 0.2698

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.5519, 0.3184, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1290, 0.3279, 0.2698 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(213, 150, 200)` looks like.

```
.text, #text, p{  
    color:rgb(213, 150, 200)  
}
```

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(213, 150, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 150, 200) }
```

Border

The CSS property to change the border of an element to Yxy 40.1290, 0.3279, 0.2698 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(213, 150, 200) }
```

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

```
.border{ border-color:rgb(213, 150, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 150, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 150, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 150, 200);  
box-shadow:4px 4px 4px 4px rgb(213, 150,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1290, 0.3279, 0.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 150, 200) }
```

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

```
.background{ background-color: rgb(213,  
150, 200) }
```

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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