

Converting Colors

$Y_{xy}(40.7494, 0.2936, 0.2357)$

Have a look what the booklet for
Yxy(40.7494, 0.2936, 0.2357)
contains.

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Color

Yxy(40.6180, 0.2931, 0.2351)

Conversions

Conversions Part 1

Format	Color
Hex	CD96E8
RGB	205, 150, 232
RGB Percent	80%, 59%, 91%
CMY	0.1963, 0.4117, 0.0902
CMYK	0.12, 0.35, 0.00, 0.09
HSL	280°, 64%, 75%
HSV	280°, 35%, 91%
XYZ	50.6386, 40.6180, 81.5124
YIQ	175.7930, 6.4580, 37.1620

Conversions

Conversions Part 2

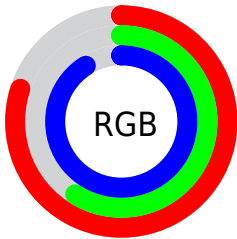
Format	Color
RYB	205, 150, 232
Decimal	13473512
CIELab	69.91, 35.05, -33.48
CIElCh	70, 48.472, 316.307
Yxy	40.6180, 0.2931, 0.2351
Android (android.graphics.Color)	4291663592 (0xFFCD96E8)
YUV	175.7930, 27.7101, 25.6145
Hunter-Lab	63.7323, 30.2961, -31.2183

Details

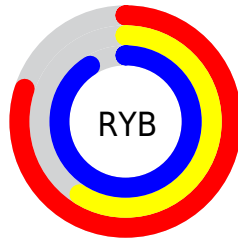
The Yxy color $40.6180, 0.2931, 0.2351$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $69.2697, 0.3256, 0.4296$, and the grayscale version is $43.1534, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.1426, 0.3150, 0.2801$, and $18.3540, 0.2867, 0.2123$ is the 20% darker color. If you saturate the color by 10%, you get $32.8709, 0.2856, 0.2075$, and if you desaturate by 10%, it is $49.8874, 0.2998, 0.2629$.

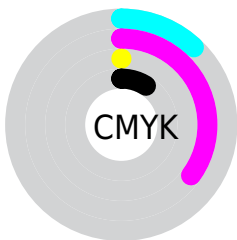
Distribution



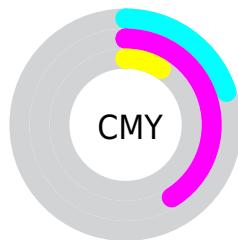
- Red (80%)
- Green (59%)
- Blue (91%)



- Red (80%)
- Yellow (59%)
- Blue (91%)



- Cyan (12%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)





- Cyan (20%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6180, 0.2931, 0.2351 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 40.6180, 0.2931, 0.2351 by changing the saturation by 10% instead.


 40.6180, 0.2931,
0.2351


 40.6180, 0.2931,
0.2351


348.7215, 0.3041,
0.2794

 28.0207, 0.2901,
0.2249


 76.1037, 0.2973,
0.2506

 18.3413, 0.2861,
0.2123


 99.7608, 0.2988,
0.2566

 11.1953, 0.2805,
0.1964


127.8734, 0.3001,
0.2617

 6.1983, 0.2725,
0.1758

160.8258, 0.3012,
0.2662

 2.9661, 0.2603,
0.1484

199.0025, 0.3021,
0.2701

 1.1140, 0.2399,
0.1113

242.7877, 0.3028,

 0.0000, 0.2157,

0.2736

0.0000

292.5659, 0.3035,
0.2766

0.0000, 0.0000,
0.0000

40.6180, 0.2931,
0.2351

40.6180, 0.2931,
0.2351

32.8709, 0.2856,
0.2075

49.8874, 0.2998,
0.2629

26.5535, 0.2773,
0.1812

60.7546, 0.3055,
0.2901

21.5704, 0.2685,
0.1576


73.2960, 0.3104,
0.3159

17.8126, 0.2594,
0.1377


87.5816, 0.3145,
0.3400


15.1531, 0.2505,
0.1224

96.4404, 0.3187,
0.3518

 13.4358, 0.2419,
0.1121

 97.8324, 0.3235,
0.3514

 12.8403, 0.2380,
0.1085

 98.6060, 0.3262,
0.3513

Harmonies

Analogous

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



40.6180, 0.2338, 0.2208



40.6180, 0.2931, 0.2351



40.6180, 0.3656, 0.2686

Triad

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



40.6180, 0.2931, 0.2351



40.6180, 0.4364, 0.4189



40.6180, 0.2081, 0.3276

Complementary

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



40.6180, 0.2931, 0.2351



69.2697, 0.3256, 0.4296

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.



40.6180, 0.2541, 0.4021



40.6180, 0.2931, 0.2351



40.6180, 0.3860, 0.4544

Square

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



40.6180, 0.2931, 0.2351



40.6180, 0.4536, 0.3681



40.6180, 0.3191, 0.4525



40.6180, 0.1895, 0.2649

Rectangle

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



40.6180, 0.2931, 0.2351



40.6180, 0.4098, 0.2987



40.6180, 0.3191, 0.4525



40.6180, 0.2206, 0.3526

Sweetspot

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



40.6197, 0.2931, 0.2351



81.6778, 0.3077, 0.3013



43.8951, 0.2535, 0.2591



17.0378, 0.3071, 0.2978



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.



40.6197, 0.2931, 0.2351



43.5323, 0.2880, 0.2160



44.0558, 0.3288, 0.2546



14.3645, 0.3085, 0.3055



7.1999, 0.2394, 0.1092



0.5821, 0.2515, 0.1159

Inverse Universe

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



42.1534, 0.3689, 0.2983



45.8370, 0.3851, 0.2923



66.8673, 0.3001, 0.4171



14.4460, 0.3241, 0.3213



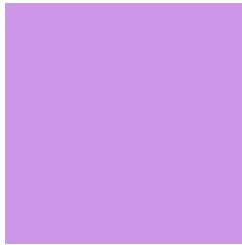
9.8388, 0.5647, 0.2885



0.7437, 0.5236, 0.2658

Previews

White Background



This preview shows how the Yxy color 40.6180, 0.2931, 0.2351 looks on a white background.

Color Contrast Check

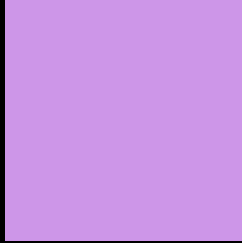
Large Text (above 18pt) WCAG AA × Fail

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 40.6180, 0.2931, 0.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

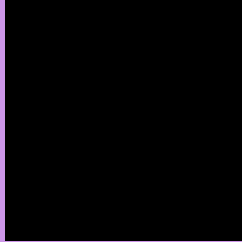
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6180, 0.2931, 0.2351

Background



This preview shows how black text looks on a background with the Yxy color 40.6180, 0.2931, 0.2351.



This preview shows how white text looks on a background with the Yxy color 40.6180, 0.2931, 0.2351.

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

40.6180, 0.2931, 0.2351

Protanopia

40.7701, 0.2413, 0.2315

Deuteranopia

40.6746, 0.2584, 0.2519



Tritanopia

40.6324, 0.3344, 0.3136

Trichromacy



Original Color

40.6180, 0.2931, 0.2351



Protanomaly

40.0561, 0.2572, 0.2312



Deuteranomaly

40.1456, 0.2703, 0.2447



Tritanomaly

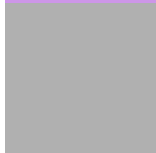
40.5360, 0.3186, 0.2830

Monochromacy



Original Color

40.6180, 0.2931, 0.2351



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

42.1878, 0.3064, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6180, 0.2931, 0.2351 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(205, 150, 232)` looks like.

```
.text, #text, p{  
    color:rgb(205, 150, 232)  
}
```

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(205, 150, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 150, 232) }
```

Border

The CSS property to change the border of an element to Yxy 40.6180, 0.2931, 0.2351 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(205, 150, 232) }
```

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

```
.border{ border-color:rgb(205, 150, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 150, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 150, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 150, 232);  
box-shadow:4px 4px 4px 4px rgb(205, 150,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6180, 0.2931, 0.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 150, 232) }
```

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

```
.background{ background-color: rgb(205,  
150, 232) }
```

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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