

Converting Colors

$Y_{xy}(40.6403, 0.2874, 0.2149)$

Have a look what the booklet for
Yxy(40.6403, 0.2874, 0.2149)
contains.

Yxy(40.5684, 0.2875, 0.2152)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5684, 0.2875, 0.2152)

Conversions

Conversions Part 1

Format	Color
Hex	D58FF8
RGB	213, 143, 248
RGB Percent	84%, 56%, 97%
CMY	0.1648, 0.4391, 0.0276
CMYK	0.14, 0.42, 0.00, 0.03
HSL	280°, 88%, 77%
HSV	280°, 42%, 97%
XYZ	54.1980, 40.5684, 93.7484
YIQ	175.9000, 8.0150, 47.4950

Conversions

Conversions Part 2

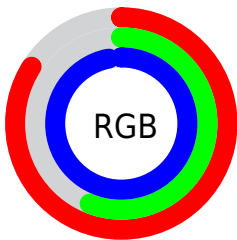
Format	Color
R _Y B	213, 143, 248
Decimal	13996024
CIE _{Lab}	69.87, 44.48, -42.21
CIE _{LCh}	70, 61.322, 316.500
Y _{xy}	40.5684, 0.2875, 0.2152
Android (android.graphics.Color)	4292186104 (0xFFD58FF8)
Y _{UV}	175.9000, 35.5453, 32.5367
Hunter-Lab	63.6933, 40.4262, -42.6820

Details

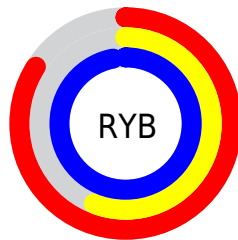
The Yxy color $40.5684, 0.2875, 0.2152$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $78.5589, 0.3276, 0.4525$, and the grayscale version is $43.1711, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.8682, 0.3153, 0.2732$, and $18.4119, 0.2792, 0.1900$ is the 20% darker color. If you saturate the color by 10%, you get $32.7244, 0.2793, 0.1883$, and if you desaturate by 10%, it is $50.1240, 0.2949, 0.2431$.

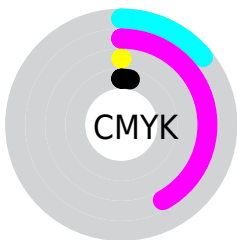
Distribution



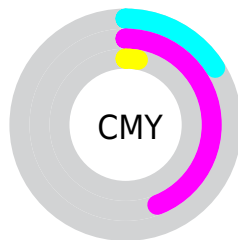
- Red (84%)
- Green (56%)
- Blue (97%)



- Red (84%)
- Yellow (56%)
- Blue (97%)



- Cyan (14%)
- Magenta (42%)
- Yellow (0%)
- Black (3%)




- Cyan (16%)
- Magenta (44%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5684, 0.2875, 0.2152 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 40.5684, 0.2875, 0.2152 by changing the saturation by 10% instead.


 40.5684, 0.2875,
0.2152


 40.5684, 0.2875,
0.2152


348.5135, 0.3017,
0.2676

 27.9820, 0.2836,
0.2035


 76.0283, 0.2929,
0.2332

 18.3121, 0.2785,
0.1894


 99.6705, 0.2949,
0.2402

 11.1743, 0.2716,
0.1718


127.7669, 0.2966,
0.2463

 6.1842, 0.2617,
0.1498

160.7017, 0.2979,
0.2517

 2.9574, 0.2470,
0.1217

198.8594, 0.2991,
0.2563

 1.1095, 0.2237,
0.0860

242.6243, 0.3001,

 0.0000, 0.1927,

0.2605

0.0000

292.3809, 0.3010,
0.2642

■ 0.0000, 0.0103,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5684, 0.2875,
0.2152

■ 40.5684, 0.2875,
0.2152

■ 32.7244, 0.2793,
0.1883

■ 50.1240, 0.2949,
0.2431

■ 26.4764, 0.2705,
0.1636

■ 61.4865, 0.3014,
0.2710

■ 21.7021, 0.2614,
0.1424

■ 74.7504, 0.3070,
0.2979

■ 18.2591, 0.2522,
0.1257

■ 90.0016, 0.3117,
0.3233

■ 15.9750, 0.2434,
0.1140

■ 99.4236, 0.3164,
0.3357

■ 14.8087, 0.2369,
0.1079

■ 99.5549, 0.3168,
0.3357

Harmonies

Analogous

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



40.5684, 0.2156, 0.1976



40.5684, 0.2875, 0.2152



40.5684, 0.3792, 0.2548

Triad

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



40.5684, 0.2875, 0.2152



40.5684, 0.4637, 0.4353



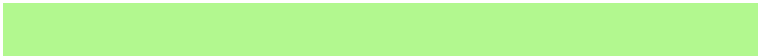
40.5684, 0.1833, 0.3241

Complementary

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



40.5684, 0.2875, 0.2152



78.5589, 0.3276, 0.4525

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.



40.5684, 0.2374, 0.4231



40.5684, 0.2875, 0.2152



40.5684, 0.3991, 0.4852

Square

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



40.5684, 0.2875, 0.2152



40.5684, 0.4891, 0.3722



40.5684, 0.3165, 0.4890



40.5684, 0.1630, 0.2466

Rectangle

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



40.5684, 0.2875, 0.2152



40.5684, 0.4359, 0.2904



40.5684, 0.3165, 0.4890



40.5684, 0.1977, 0.3567

Sweetspot

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



40.5701, 0.2875, 0.2152



78.6074, 0.3067, 0.2961



44.4574, 0.2406, 0.2420



16.1250, 0.3055, 0.2902



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.



40.5701, 0.2875, 0.2152



35.8208, 0.2804, 0.1915



45.3400, 0.3329, 0.2401



17.2179, 0.3084, 0.3052



8.0824, 0.2383, 0.1086



0.8065, 0.2482, 0.1141

Inverse Universe

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



42.8145, 0.3853, 0.2917



38.7526, 0.4088, 0.2846



75.5082, 0.2979, 0.4386



17.3206, 0.3241, 0.3211



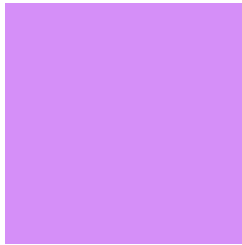
11.1381, 0.5645, 0.2883



1.0504, 0.5311, 0.2699

Previews

White Background



This preview shows how the Yxy color 40.5684, 0.2875, 0.2152 looks on a white background.

Color Contrast Check

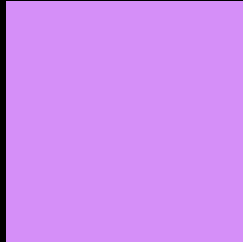
Large Text (above 18pt) WCAG AA × Fail

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 40.5684, 0.2875, 0.2152 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 40.5684, 0.2875, 0.2152

Background



This preview shows how black text looks on a background with the Yxy color 40.5684, 0.2875, 0.2152.



This preview shows how white text looks on a background with the Yxy color 40.5684, 0.2875, 0.2152.

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

40.5684, 0.2875, 0.2152

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

40.7763, 0.2419, 0.2356



Tritanopia

40.5377, 0.3414, 0.3138

Trichromacy



Original Color

40.5684, 0.2875, 0.2152



Protanomaly

40.0400, 0.2504, 0.2184



Deuteranomaly

40.1692, 0.2561, 0.2265



Tritanomaly

40.2605, 0.3200, 0.2732

Monochromacy



Original Color

40.5684, 0.2875, 0.2152



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.6340, 0.3033, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5684, 0.2875, 0.2152 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, 143, 248)` looks like.

```
.text, #text, p{  
    color:rgb(213, 143, 248)  
}
```

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, 143, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 143, 248) }
```

Border

The CSS property to change the border of an element to Yxy 40.5684, 0.2875, 0.2152 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, 143, 248) }
```

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

```
.border{ border-color:rgb(213, 143, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 143, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 143, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 143, 248);  
box-shadow:4px 4px 4px 4px rgb(213, 143,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5684, 0.2875, 0.2152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 143, 248) }
```

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

```
.background{ background-color: rgb(213,  
143, 248) }
```

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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