

Converting Colors

$Y_{xy}(40.9345, 0.3166, 0.2459)$

Have a look what the booklet for
Yxy(40.9345, 0.3166, 0.2459)
contains.

Yxy(40.9407, 0.3166, 0.2459)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.9407, 0.3166, 0.2459)

Conversions

Conversions Part 1

Format	Color
Hex	DC92DC
RGB	220, 146, 220
RGB Percent	86%, 57%, 86%
CMY	0.1373, 0.4274, 0.1372
CMYK	0.00, 0.34, 0.00, 0.14
HSL	300°, 51%, 72%
HSV	300°, 34%, 86%
XYZ	52.7118, 40.9407, 72.8408
YIQ	176.5620, 20.3500, 38.7020

Conversions

Conversions Part 2

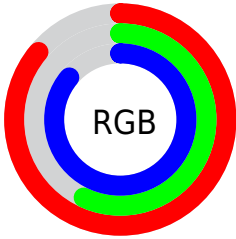
Format	Color
R _Y B	220, 146, 220
Decimal	14455516
CIE Lab	70.13, 39.53, -26.41
CIE LCh	70, 47.539, 326.251
Yxy	40.9407, 0.3166, 0.2459
Android (android.graphics.Color)	4292645596 (0xFFDC92DC)
YUV	176.5620, 21.4149, 38.0951
Hunter-Lab	63.9849, 35.0775, -22.7066

Details

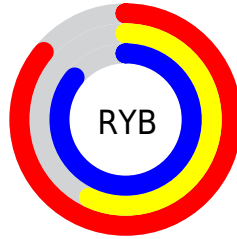
The Yxy color $40.9407, 0.3166, 0.2459$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $59.3804, 0.3080, 0.4289$, and the grayscale version is $43.6040, 0.3127, 0.3290$.

A 20% lighter version of the original color is $70.2533, 0.3152, 0.2762$, and $18.6145, 0.3163, 0.2255$ is the 20% darker color. If you saturate the color by 10%, you get $34.7987, 0.3177, 0.2227$, and if you desaturate by 10%, it is $48.3915, 0.3155, 0.2705$.

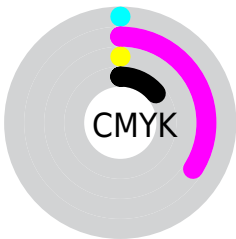
Distribution



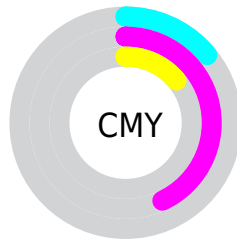
- Red (86%)
- Green (57%)
- Blue (86%)



- Red (86%)
- Yellow (57%)
- Blue (86%)



- Cyan (0%)
- Magenta (34%)
- Yellow (0%)
- Black (14%)




- Cyan (14%)
- Magenta (43%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9407, 0.3166, 0.2459 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 40.9407, 0.3166, 0.2459 by changing the saturation by 10% instead.


 40.9407, 0.3166,
0.2459

 40.9407, 0.3166,
0.2459


350.0727, 0.3158,
0.2853

 28.2728, 0.3165,
0.2367


 76.5939, 0.3165,
0.2597

 18.5314, 0.3162,
0.2254


 100.3479, 0.3164,
0.2650

 11.3321, 0.3156,
0.2109


128.5660, 0.3163,
0.2696

 6.2907, 0.3142,
0.1919

161.6327, 0.3162,
0.2736

 3.0226, 0.3113,
0.1662

199.9323, 0.3161,
0.2771

 1.1436, 0.3048,
0.1301

243.8493, 0.3160,

 0.0149, 0.3111,

0.2801


0.0047


293.7679, 0.3159,
0.2829


 0.0000, 0.0000,
0.0000


 40.9407, 0.3166,
0.2459


 40.9407, 0.3166,
0.2459

 34.7987, 0.3177,
0.2227


 48.3915, 0.3155,
0.2705


 29.8848, 0.3187,
0.2018


 57.2148, 0.3143,
0.2955


 26.1183, 0.3195,
0.1842


 67.4767, 0.3131,
0.3202


 23.4061, 0.3201,
0.1705

 79.2374, 0.3120,
0.3440

 21.6408, 0.3205,
0.1611

 91.9063, 0.3110,
0.3655

 20.6923, 0.3208,
0.1559

 91.9070, 0.3110,
0.3655

 20.3778, 0.3209,
0.1541

 91.9078, 0.3110,
0.3655

 91.9085, 0.3110,
0.3655

 91.9092, 0.3110,
0.3655

Harmonies

Analogous

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



40.9407, 0.2524, 0.2251



40.9407, 0.3166, 0.2459



40.9407, 0.3871, 0.2839

Triad

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



40.9407, 0.3166, 0.2459



40.9407, 0.4205, 0.4314



40.9407, 0.2010, 0.3050

Complementary

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



40.9407, 0.3166, 0.2459



59.3804, 0.3080, 0.4289

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.



40.9407, 0.2378, 0.3770



40.9407, 0.3166, 0.2459



40.9407, 0.3640, 0.4561

Square

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



40.9407, 0.3166, 0.2459



40.9407, 0.4495, 0.3849



40.9407, 0.2970, 0.4380



40.9407, 0.1918, 0.2518

Rectangle

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



40.9407, 0.3166, 0.2459



40.9407, 0.4249, 0.3157



40.9407, 0.2970, 0.4380



40.9407, 0.2103, 0.3279

Sweetspot

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



40.9425, 0.3166, 0.2459



84.7947, 0.3139, 0.3044



32.2217, 0.2526, 0.2309



17.7282, 0.3140, 0.3008



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.



40.9425, 0.3166, 0.2459



51.2583, 0.3173, 0.2302



39.2480, 0.3507, 0.2839



13.2747, 0.3138, 0.3060



11.9583, 0.3209, 0.1541



0.7748, 0.3209, 0.1541

Inverse Universe

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



37.8531, 0.3913, 0.3292



46.3431, 0.4148, 0.3293



60.6715, 0.2867, 0.3793



13.0516, 0.3292, 0.3290



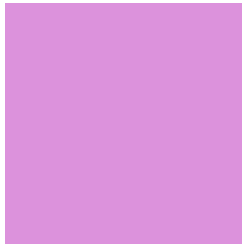
8.9300, 0.6401, 0.3300



0.5785, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 40.9407, 0.3166, 0.2459 looks on a white background.

Color Contrast Check

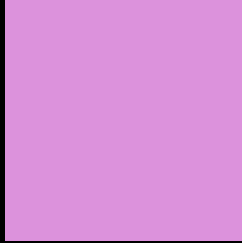
Large Text (above 18pt) WCAG AA × Fail

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 40.9407, 0.3166, 0.2459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

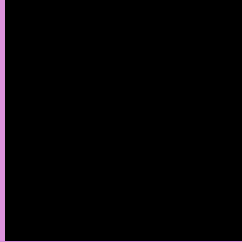
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9407, 0.3166, 0.2459

Background



This preview shows how black text looks on a background with the Yxy color 40.9407, 0.3166, 0.2459.



This preview shows how white text looks on a background with the Yxy color 40.9407, 0.3166, 0.2459.

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

40.9407, 0.3166, 0.2459

Protanopia

41.1283, 0.2492, 0.2418

Deuteranopia

41.0701, 0.2738, 0.2669



Tritanopia

40.7502, 0.3580, 0.3144

Trichromacy



Original Color

40.9407, 0.3166, 0.2459



Protanomaly

40.4894, 0.2705, 0.2430



Deuteranomaly

40.5905, 0.2888, 0.2585



Tritanomaly

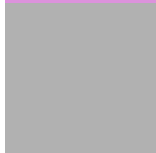
40.6433, 0.3430, 0.2873

Monochromacy



Original Color

40.9407, 0.3166, 0.2459



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

42.4601, 0.3143, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9407, 0.3166, 0.2459 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(220, 146, 220)` looks like.

```
.text, #text, p{  
    color:rgb(220, 146, 220)  
}
```

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(220, 146, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 146, 220) }
```

Border

The CSS property to change the border of an element to Yxy 40.9407, 0.3166, 0.2459 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(220, 146, 220) }
```

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

```
.border{ border-color:rgb(220, 146, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 146, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 146, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 146, 220);  
box-shadow:4px 4px 4px 4px rgb(220, 146,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9407, 0.3166, 0.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 146, 220) }
```

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

```
.background{ background-color: rgb(220,  
146, 220) }
```

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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