

Converting Colors

$Y_{xy}(36.4202, 0.2986, 0.2056)$

Have a look what the booklet for
Yxy(36.4202, 0.2986, 0.2056)
contains.

Yxy(36.4882, 0.2989, 0.2064)	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(36.4882, 0.2989, 0.2064)

Conversions

Conversions Part 1

Format	Color
Hex	DC7EF1
RGB	220, 126, 241
RGB Percent	86%, 49%, 95%
CMY	0.1374, 0.5057, 0.0550
CMYK	0.09, 0.48, 0.00, 0.06
HSL	289°, 80%, 72%
HSV	289°, 48%, 94%
XYZ	52.8407, 36.4882, 87.4550
YIQ	167.2160, 19.1090, 55.6930

Conversions

Conversions Part 2

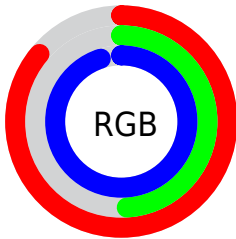
Format	Color
R _{YB}	220, 126, 241
Decimal	14450417
CIE Lab	66.89, 53.84, -42.99
CIE LCh	67, 68.901, 321.391
Yxy	36.4882, 0.2989, 0.2064
Android (android.graphics.Color)	4292640497 (0xFFDC7EF1)
YUV	167.2160, 36.3755, 46.2916
Hunter-Lab	60.4055, 50.4364, -43.5562

Details

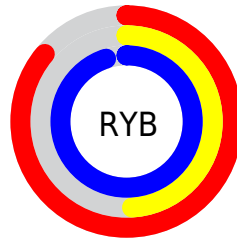
The Yxy color **36.4882, 0.2989, 0.2064** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **70.6091, 0.3177, 0.4747**, and the grayscale version is **38.5695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **16.0123, 0.2930, 0.1795** is the 20% darker color. If you saturate the color by 10%, you get **30.3713, 0.2946, 0.1833**, and if you desaturate by 10%, it is **44.1104, 0.3027, 0.2316**.

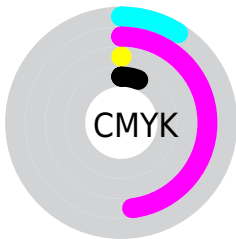
Distribution



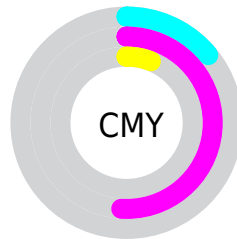
- Red (86%)
- Green (49%)
- Blue (95%)



- Red (86%)
- Yellow (49%)
- Blue (95%)



- Cyan (9%)
- Magenta (48%)
- Yellow (0%)
- Black (6%)





- Cyan (14%)
- Magenta (51%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4882, 0.2989, 0.2064 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 36.4882, 0.2989, 0.2064 by changing the saturation by 10% instead.

 36.4882, 0.2989,
0.2064


 36.4882, 0.2989,
0.2064


331.0894, 0.3081,
0.2630


 24.8115, 0.2961,
0.1938


 69.7849, 0.3027,
0.2258

 15.9367, 0.2922,
0.1785


 92.1737, 0.3040,
0.2334

 9.4793, 0.2866,
0.1596


 118.9020, 0.3050,
0.2400

 5.0551, 0.2783,
0.1360

150.3541, 0.3059,
0.2458

 2.2796, 0.2652,
0.1062

186.9146, 0.3066,
0.2509

 0.7629, 0.2432,
0.0688

228.9676, 0.3072,

 0.0000, 0.2087,

0.2553

0.0000

276.8978, 0.3077,
0.2594

0.0000, 0.0000,
0.0000

36.4882, 0.2989,
0.2064

36.4882, 0.2989,
0.2064

30.3713, 0.2946,
0.1833

44.1104, 0.3027,
0.2316

25.6467, 0.2900,
0.1635

53.3310, 0.3061,
0.2579

22.1926, 0.2851,
0.1477

64.2409, 0.3089,
0.2843

19.8641, 0.2802,
0.1365

76.9228, 0.3112,
0.3100

18.4667, 0.2754,
0.1297

91.4540, 0.3131,
0.3345

■ 18.2089, 0.2743,
0.1285

■ 97.5331, 0.3154,
0.3427

■ 98.3409, 0.3182,
0.3426

■ 99.1292, 0.3209,
0.3425

Harmonies

Analogous

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



36.4882, 0.2128, 0.1826



36.4882, 0.2989, 0.2064



36.4882, 0.4065, 0.2534

Triad

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



36.4882, 0.2989, 0.2064



36.4882, 0.4724, 0.4564



36.4882, 0.1593, 0.3035

Complementary

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



36.4882, 0.2989, 0.2064



70.6091, 0.3177, 0.4747

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.



36.4882, 0.2123, 0.4213



36.4882, 0.2989, 0.2064



36.4882, 0.3925, 0.5139

Square

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



36.4882, 0.2989, 0.2064



36.4882, 0.5140, 0.3846



36.4882, 0.2979, 0.5117



36.4882, 0.1442, 0.2228

Rectangle

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



36.4882, 0.2989, 0.2064



36.4882, 0.4694, 0.2937



36.4882, 0.2979, 0.5117



36.4882, 0.1726, 0.3404

Sweetspot

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



36.4898, 0.2989, 0.2064



78.0829, 0.3098, 0.2938



31.6886, 0.2267, 0.2056



16.0681, 0.3093, 0.2882



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.



36.4898, 0.2989, 0.2064



34.8607, 0.2948, 0.1845



38.0142, 0.3537, 0.2458



15.8768, 0.3109, 0.3055



9.9314, 0.2751, 0.1289



0.8637, 0.2814, 0.1324

Inverse Universe

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



35.7350, 0.4200, 0.3063



34.1204, 0.4550, 0.3030



69.9568, 0.2878, 0.4318



15.8060, 0.3264, 0.3247



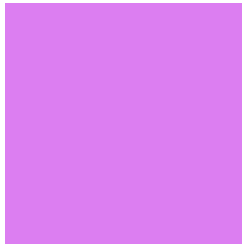
10.2540, 0.6118, 0.3144



0.8661, 0.5775, 0.2955

Previews

White Background



This preview shows how the Yxy color 36.4882, 0.2989, 0.2064 looks on a white background.

Color Contrast Check

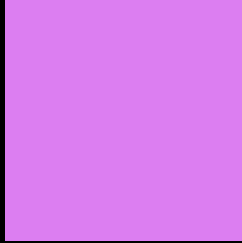
Large Text (above 18pt) WCAG AA × Fail

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 36.4882, 0.2989, 0.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

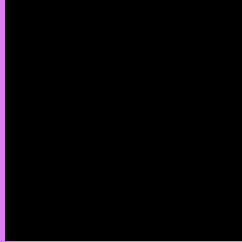
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4882, 0.2989, 0.2064

Background



This preview shows how black text looks on a background with the Yxy color 36.4882, 0.2989, 0.2064.



This preview shows how white text looks on a background with the Yxy color 36.4882, 0.2989, 0.2064.

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

36.4882, 0.2989, 0.2064

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

36.9321, 0.2395, 0.2342



Tritanopia

36.4020, 0.3670, 0.3153

Trichromacy



Original Color

36.4882, 0.2989, 0.2064



Protanomaly

35.6590, 0.2455, 0.2058



Deuteranomaly

35.7163, 0.2573, 0.2201



Tritanomaly

36.0931, 0.3400, 0.2700

Monochromacy



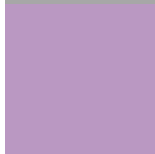
Original Color

36.4882, 0.2989, 0.2064



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.7906, 0.3076, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4882, 0.2989, 0.2064 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, 126, 241)` looks like.

```
.text, #text, p{  
    color:rgb(220, 126, 241)  
}
```

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, 126, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 126, 241) }
```

Border

The CSS property to change the border of an element to Yxy 36.4882, 0.2989, 0.2064 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, 126, 241) }
```

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

```
.border{ border-color:rgb(220, 126, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 126, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 126, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 126, 241);  
box-shadow:4px 4px 4px 4px rgb(220, 126,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4882, 0.2989, 0.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 126, 241) }
```

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

```
.background{ background-color: rgb(220,  
126, 241) }
```

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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