

Converting Colors

$Y_{xy}(36.0543, 0.3032, 0.2318)$

Have a look what the booklet for
Yxy(36.0543, 0.3032, 0.2318)
contains.

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Color

Yxy(36.0378, 0.3030, 0.2321)

Conversions

Conversions Part 1

Format	Color
Hex	CD89DC
RGB	205, 137, 220
RGB Percent	80%, 54%, 86%
CMY	0.1960, 0.4628, 0.1373
CMYK	0.07, 0.38, 0.00, 0.14
HSL	289°, 54%, 70%
HSV	289°, 38%, 86%
XYZ	47.0463, 36.0378, 72.1843
YIQ	166.7940, 13.8850, 40.2290

Conversions

Conversions Part 2

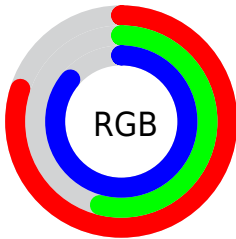
Format	Color
R _Y B	205, 137, 220
Decimal	13470172
CIE Lab	66.55, 39.70, -32.07
CIE LCh	67, 51.035, 321.075
Yxy	36.0378, 0.3030, 0.2321
Android (android.graphics.Color)	4291660252 (0xFFCD89DC)
YUV	166.7940, 26.2306, 33.5067
Hunter-Lab	60.0315, 34.8343, -29.2706

Details

The Yxy color **36.0378, 0.3030, 0.2321** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.6623, 0.3174, 0.4399**, and the grayscale version is **38.4043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **15.6032, 0.2973, 0.2068** is the 20% darker color. If you saturate the color by 10%, you get **29.8529, 0.2992, 0.2070**, and if you desaturate by 10%, it is **43.5151, 0.3063, 0.2582**.

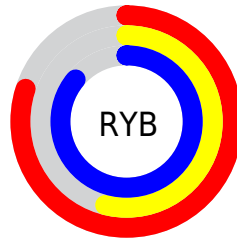
Distribution



Red (80%)

Green (54%)

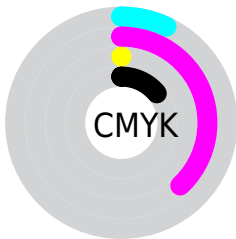
Blue (86%)



Red (80%)

Yellow (54%)

Blue (86%)

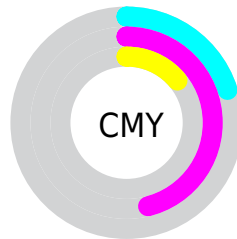


Cyan (7%)

Magenta (38%)

Yellow (0%)

Black (14%)



Cyan (20%)

Magenta (46%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0378, 0.3030, 0.2321 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 36.0378, 0.3030, 0.2321 by changing the saturation by 10% instead.

 36.0378, 0.3030,
0.2321

 36.0378, 0.3030,
0.2321


329.1257, 0.3094,
0.2785


 24.4634, 0.3010,
0.2213


 69.0904, 0.3056,
0.2484

 15.6777, 0.2982,
0.2078


 91.3374, 0.3065,
0.2547

 9.2964, 0.2942,
0.1906


 117.9107, 0.3072,
0.2601

 4.9350, 0.2879,
0.1683

149.1947, 0.3078,
0.2647

 2.2092, 0.2776,
0.1383

185.5738, 0.3083,
0.2688

 0.7250, 0.2589,
0.0962

227.4324, 0.3087,

 0.0000, 0.2233,


0.2724


0.0000


275.1549, 0.3091,
0.2756

 0.0000, 0.0000,
0.0000


 36.0378, 0.3030,
0.2321


 36.0378, 0.3030,
0.2321


 29.8529, 0.2992,
0.2070


 43.5151, 0.3063,
0.2582

 24.8777, 0.2951,
0.1840


 52.3517, 0.3090,
0.2845


 21.0271, 0.2905,
0.1642

 62.6155, 0.3113,
0.3100

 18.2028, 0.2858,
0.1484

 74.3682, 0.3131,
0.3344

 16.2894, 0.2810,
0.1372

 87.6681, 0.3145,
0.3572

15.1271, 0.2762,
0.1302

93.3175, 0.3165,
0.3649

14.9101, 0.2751,
0.1289

93.9769, 0.3190,
0.3647

94.6513, 0.3216,
0.3644

95.3408, 0.3241,
0.3641

Harmonies

Analogous

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



36.0378, 0.2355, 0.2131



36.0378, 0.3030, 0.2321



36.0378, 0.3828, 0.2706

Triad

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



36.0378, 0.3030, 0.2321



36.0378, 0.4398, 0.4332



36.0378, 0.1940, 0.3140

Complementary

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



36.0378, 0.3030, 0.2321



59.6623, 0.3174, 0.4399

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.



36.0378, 0.2387, 0.3971



36.0378, 0.3030, 0.2321



36.0378, 0.3804, 0.4691

Square

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



36.0378, 0.3030, 0.2321



36.0378, 0.4665, 0.3789



36.0378, 0.3067, 0.4603



36.0378, 0.1793, 0.2504

Rectangle

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



36.0378, 0.3030, 0.2321



36.0378, 0.4289, 0.3040



36.0378, 0.3067, 0.4603



36.0378, 0.2056, 0.3410

Sweetspot

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



36.0393, 0.3030, 0.2321



82.4441, 0.3106, 0.3016



33.0090, 0.2468, 0.2362



17.2212, 0.3103, 0.2981



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.



36.0393, 0.3030, 0.2321



43.5941, 0.3002, 0.2128



36.9861, 0.3425, 0.2630



13.1500, 0.3109, 0.3058



8.7953, 0.2759, 0.1293



0.6014, 0.2836, 0.1336

Inverse Universe

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



35.3696, 0.3881, 0.3111



42.6604, 0.4117, 0.3077



59.1570, 0.2921, 0.4061



13.0897, 0.3263, 0.3248



9.0302, 0.6116, 0.3143



0.5967, 0.5680, 0.2903

Previews

White Background



This preview shows how the Yxy color 36.0378, 0.3030, 0.2321 looks on a white background.

Color Contrast Check

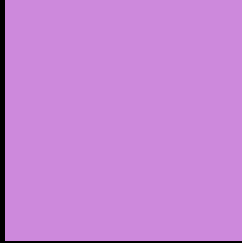
Large Text (above 18pt) WCAG AA × Fail

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 36.0378, 0.3030, 0.2321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

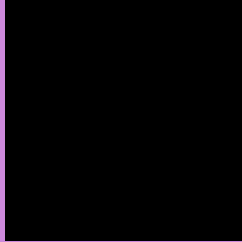
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0378, 0.3030, 0.2321

Background



This preview shows how black text looks on a background with the Yxy color 36.0378, 0.3030, 0.2321.

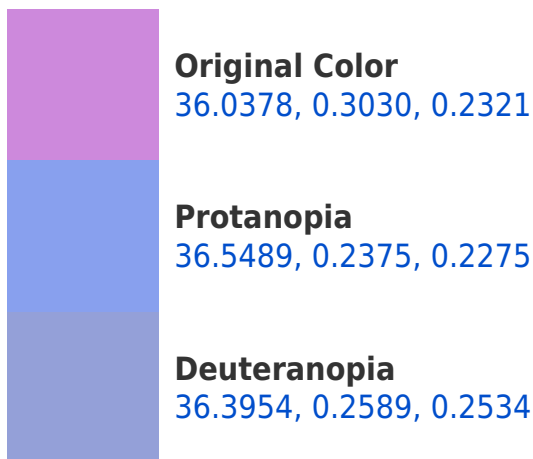


This preview shows how white text looks on a background with the Yxy color 36.0378, 0.3030, 0.2321.

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





Tritanopia

35.9384, 0.3506, 0.3134

Trichromacy



Original Color

36.0378, 0.3030, 0.2321



Protanomaly

35.8031, 0.2578, 0.2287



Deuteranomaly

35.9012, 0.2739, 0.2451



Tritanomaly

35.9076, 0.3331, 0.2822

Monochromacy



Original Color

36.0378, 0.3030, 0.2321



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

37.1459, 0.3098, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0378, 0.3030, 0.2321 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, 137, 220)` looks like.

```
.text, #text, p{  
    color:rgb(205, 137, 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(205, 137, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 137, 220) }
```

Border

The CSS property to change the border of an element to Yxy 36.0378, 0.3030, 0.2321 is called "border". The border property can be set on classes, ids or directly on the HTML element.

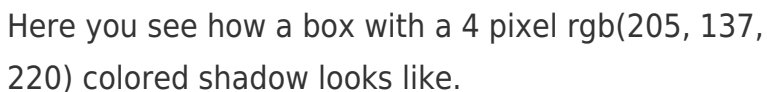
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 137, 220) }
```

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

```
.border{ border-color:rgb(205, 137, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 137, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 137, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 137, 220);  
box-shadow:4px 4px 4px 4px rgb(205, 137,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0378, 0.3030, 0.2321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 137, 220) }
```

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

```
.background{ background-color: rgb(205,  
137, 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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