

Converting Colors

$Y_{xy}(30.1277, 0.3464, 0.2454)$

Have a look what the booklet for
Yxy(30.1277, 0.3464, 0.2454)
contains.

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Color

Yxy(30.1821, 0.3466, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	D574BA
RGB	213, 116, 186
RGB Percent	84%, 45%, 73%
CMY	0.1645, 0.5452, 0.2705
CMYK	0.00, 0.46, 0.13, 0.16
HSL	317°, 54%, 65%
HSV	317°, 46%, 84%
XYZ	42.5595, 30.1821, 50.0497
YIQ	152.9830, 35.3420, 42.3340

Conversions

Conversions Part 2

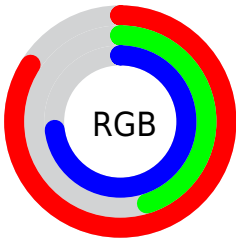
Format	Color
R _Y B	213, 116, 186
Decimal	13989050
CIE Lab	61.81, 47.13, -20.19
CIE LCh	62, 51.274, 336.805
Yxy	30.1821, 0.3466, 0.2458
Android (android.graphics.Color)	4292179130 (0xFFD574BA)
YUV	152.9830, 16.2774, 52.6349
Hunter-Lab	54.9382, 42.1382, -15.5575

Details

The Yxy color **30.1821, 0.3466, 0.2458** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **53.3033, 0.2909, 0.4311**, and the grayscale version is **31.7633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4203, 0.3269, 0.2574**, and **12.3164, 0.3549, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **25.5767, 0.3569, 0.2296**, and if you desaturate by 10%, it is **35.9268, 0.3373, 0.2637**.

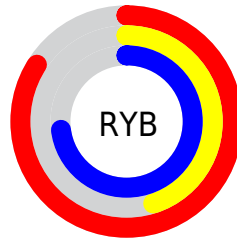
Distribution



Red (84%)

Green (45%)

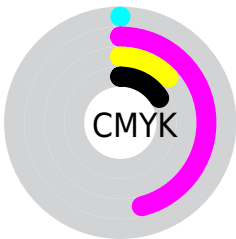
Blue (73%)



Red (84%)

Yellow (45%)

Blue (73%)

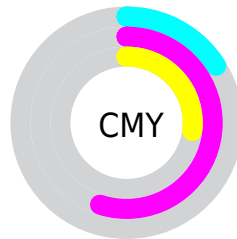


Cyan (0%)

Magenta (46%)

Yellow (13%)

Black (16%)



Cyan (16%)


Magenta (55%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1821, 0.3466, 0.2458 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 30.1821, 0.3466, 0.2458 by changing the saturation by 10% instead.


 30.1821, 0.3466,
0.2458


 30.1821, 0.3466,
0.2458

302.7523, 0.3299,
0.2872


 19.9768, 0.3507,
0.2356


 59.9500, 0.3406,
0.2608

 12.3782, 0.3558,
0.2226


 80.2815, 0.3383,
0.2664

 7.0018, 0.3625,
0.2056


 104.7572, 0.3364,
0.2712

 3.4632, 0.3714,
0.1824

133.7615, 0.3347,
0.2753

 1.3781, 0.3839,
0.1494

167.6787, 0.3333,
0.2789

 0.2005, 0.4202,
0.0582

206.8933, 0.3320,


 0.0000, 0.4048,


0.2820

0.0000


251.7898, 0.3309,
0.2848


 0.0000, 0.0000,
0.0000

 30.1821, 0.3466,
0.2458


 30.1821, 0.3466,
0.2458


 25.5767, 0.3569,
0.2296

 35.9268, 0.3373,
0.2637


 22.0281, 0.3680,
0.2161

 42.8773, 0.3290,
0.2824


 19.4498, 0.3795,
0.2064

 51.1000, 0.3219,
0.3011

 17.7392, 0.3912,
0.2012

 60.6553, 0.3157,
0.3193


 16.7705, 0.4025,
0.2010

 71.5995, 0.3105,
0.3366

 16.4768, 0.4075,
0.2019

 83.9858, 0.3061,
0.3528

 91.2477, 0.3025,
0.3578

 91.5819, 0.2993,
0.3515

 91.9274, 0.2961,
0.3452

Harmonies

Analogous

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



30.1821, 0.2652, 0.2145



30.1821, 0.3466, 0.2458



30.1821, 0.4272, 0.2941

Triad

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



30.1821, 0.3466, 0.2458



30.1821, 0.4166, 0.4630



30.1821, 0.1754, 0.2730

Complementary

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



30.1821, 0.3466, 0.2458



53.3033, 0.2909, 0.4311

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.



30.1821, 0.2054, 0.3542



30.1821, 0.3466, 0.2458



30.1821, 0.3431, 0.4816

Square

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



30.1821, 0.3466, 0.2458



30.1821, 0.4661, 0.4115



30.1821, 0.2657, 0.4404



30.1821, 0.1763, 0.2234

Rectangle

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



30.1821, 0.3466, 0.2458



30.1821, 0.4631, 0.3320



30.1821, 0.2657, 0.4404



30.1821, 0.1818, 0.2970

Sweetspot

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



30.1835, 0.3466, 0.2458



78.6762, 0.3209, 0.3037



23.0296, 0.2484, 0.1947



16.2145, 0.3224, 0.2997



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.



30.1835, 0.3466, 0.2458



38.4205, 0.3569, 0.2296



28.4904, 0.4052, 0.3012



12.5710, 0.3180, 0.3123



10.0786, 0.4060, 0.2010



0.6216, 0.3880, 0.1911

Inverse Universe

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



30.1835, 0.3466, 0.2458



38.4205, 0.3569, 0.2296



55.0553, 0.2639, 0.3602



12.5710, 0.3180, 0.3123



10.0786, 0.4060, 0.2010



0.6216, 0.3880, 0.1911

Previews

White Background



This preview shows how the Yxy color 30.1821, 0.3466, 0.2458 looks on a white background.

Color Contrast Check

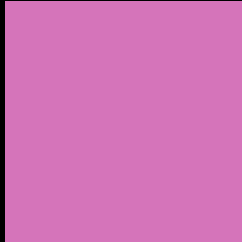
Large Text (above 18pt) WCAG AA × Fail

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 30.1821, 0.3466, 0.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

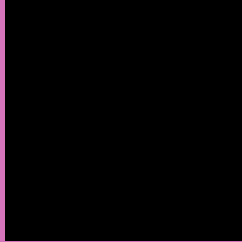
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1821, 0.3466, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 30.1821, 0.3466, 0.2458.



This preview shows how white text looks on a background with the Yxy color 30.1821, 0.3466, 0.2458.

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

30.1821, 0.3466, 0.2458

Protanopia

30.6086, 0.2484, 0.2417

Deuteranopia

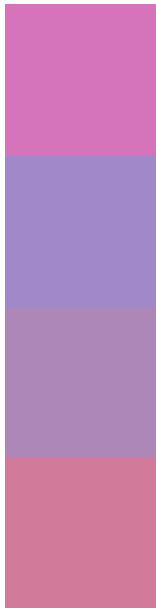
30.2835, 0.2839, 0.2773



Tritanopia

29.9647, 0.3975, 0.3164

Trichromacy



Original Color

30.1821, 0.3466, 0.2458

Protanomaly

29.4024, 0.2777, 0.2399

Deuteranomaly

29.5175, 0.3044, 0.2625

Tritanomaly

29.8075, 0.3789, 0.2889

Monochromacy



Original Color

30.1821, 0.3466, 0.2458

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.5867, 0.3250, 0.2937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1821, 0.3466, 0.2458 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, 116, 186)` looks like.

```
.text, #text, p{  
    color:rgb(213, 116, 186)  
}
```

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, 116, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 116, 186) }
```

Border

The CSS property to change the border of an element to Yxy 30.1821, 0.3466, 0.2458 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, 116, 186) }
```

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

```
.border{ border-color:rgb(213, 116, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 116, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 116, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 116, 186);  
box-shadow:4px 4px 4px 4px rgb(213, 116,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1821, 0.3466, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 116, 186) }
```

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

```
.background{ background-color: rgb(213,  
116, 186) }
```

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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