

Converting Colors

$Y_{xy}(30.3156, 0.3163, 0.2402)$

Have a look what the booklet for
Yxy(30.3156, 0.3163, 0.2402)
contains.

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Color

Yxy(30.2549, 0.3158, 0.2401)

Conversions

Conversions Part 1

Format	Color
Hex	C37DC4
RGB	195, 125, 196
RGB Percent	76%, 49%, 77%
CMY	0.2355, 0.5097, 0.2314
CMYK	0.01, 0.36, 0.00, 0.23
HSL	299°, 38%, 63%
HSV	299°, 36%, 77%
XYZ	39.7938, 30.2549, 55.9609
YIQ	154.0240, 18.9290, 36.9210

Conversions

Conversions Part 2

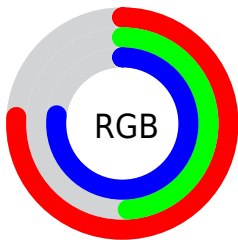
Format	Color
RYB	195, 125, 196
Decimal	12811716
CIELab	61.87, 38.39, -25.94
CIELCh	62, 46.330, 325.953
Yxy	30.2549, 0.3158, 0.2401
Android (android.graphics.Color)	4291001796 (0xFFC37DC4)
YUV	154.0240, 20.6942, 35.9360
Hunter-Lab	55.0045, 32.8808, -21.8178

Details

The Yxy color **30.2549, 0.3158, 0.2401** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.3973, 0.3084, 0.4368**, and the grayscale version is **32.2284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2147, 0.3161, 0.2560**, and **12.4260, 0.3150, 0.2157** is the 20% darker color. If you saturate the color by 10%, you get **25.7346, 0.3165, 0.2173**, and if you desaturate by 10%, it is **35.7570, 0.3150, 0.2644**.

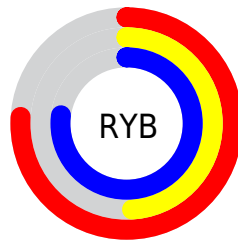
Distribution



Red (76%)

Green (49%)

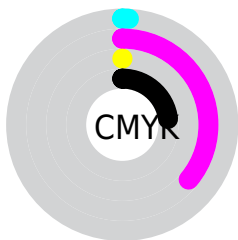
Blue (77%)



Red (76%)

Yellow (49%)

Blue (77%)

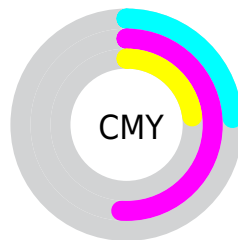


Cyan (1%)

Magenta (36%)

Yellow (0%)

Black (23%)



Cyan (24%)


Magenta (51%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2549, 0.3158, 0.2401 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 30.2549, 0.3158, 0.2401 by changing the saturation by 10% instead.


 30.2549, 0.3158,
0.2401


 30.2549, 0.3158,
0.2401


303.0908, 0.3155,
0.2842


 20.0321, 0.3155,
0.2293


 60.0651, 0.3160,
0.2560

 12.4184, 0.3148,
0.2156


 80.4212, 0.3159,
0.2620

 7.0293, 0.3135,
0.1977


 104.9240, 0.3159,
0.2671

 3.4804, 0.3109,
0.1736

133.9578, 0.3158,
0.2715

 1.3874, 0.3050,
0.1397

167.9070, 0.3157,
0.2753

 0.2074, 0.3026,
0.0537

207.1559, 0.3156,


 0.0000, 0.0896,


0.2786

0.0000


252.0891, 0.3155,
0.2816

 0.0000, 0.0000,
0.0000

 30.2549, 0.3158,
0.2401


 30.2549, 0.3158,
0.2401


 25.7346, 0.3165,
0.2173


 35.7570, 0.3150,
0.2644

 22.1344, 0.3170,
0.1970


 42.2901, 0.3142,
0.2893

 19.3915, 0.3174,
0.1800


 49.9048, 0.3133,
0.3140

 17.4340, 0.3176,
0.1669

 58.6473, 0.3124,
0.3379


 16.1780, 0.3176,
0.1582

 68.5609, 0.3115,
0.3606

 15.5163, 0.3174,
0.1534

 79.6870, 0.3107,
0.3818

 15.3407, 0.3173,
0.1522

 87.3693, 0.3102,
0.3943

 87.4078, 0.3104,
0.3943

 87.4464, 0.3106,
0.3943

Harmonies

Analogous

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



30.2549, 0.2473, 0.2182



30.2549, 0.3158, 0.2401



30.2549, 0.3921, 0.2801

Triad

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



30.2549, 0.3158, 0.2401



30.2549, 0.4281, 0.4375



30.2549, 0.1936, 0.3031

Complementary

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



30.2549, 0.3158, 0.2401



45.3973, 0.3084, 0.4368

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.



30.2549, 0.2326, 0.3816



30.2549, 0.3158, 0.2401



30.2549, 0.3674, 0.4660

Square

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



30.2549, 0.3158, 0.2401



30.2549, 0.4597, 0.3869



30.2549, 0.2958, 0.4480



30.2549, 0.1838, 0.2462

Rectangle

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



30.2549, 0.3158, 0.2401



30.2549, 0.4332, 0.3136



30.2549, 0.2958, 0.4480



30.2549, 0.2034, 0.3280

Sweetspot

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



30.2562, 0.3158, 0.2401



83.3135, 0.3137, 0.3018



23.3233, 0.2478, 0.2230



17.4298, 0.3138, 0.2984



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.



30.2562, 0.3158, 0.2401



48.5365, 0.3163, 0.2229



29.0069, 0.3542, 0.2808



10.2398, 0.3136, 0.3063



9.8616, 0.3173, 0.1522



0.4285, 0.3182, 0.1526

Inverse Universe

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



27.9171, 0.3978, 0.3279



43.7228, 0.4248, 0.3277



46.3523, 0.2852, 0.3833



10.0802, 0.3287, 0.3287



7.5459, 0.6383, 0.3290



0.3269, 0.6315, 0.3252

Previews

White Background



This preview shows how the Yxy color 30.2549, 0.3158, 0.2401 looks on a white background.

Color Contrast Check

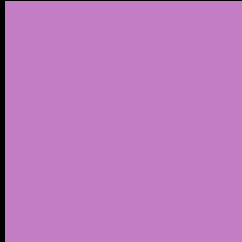
Large Text (above 18pt) WCAG AA × Fail

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 30.2549, 0.3158, 0.2401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

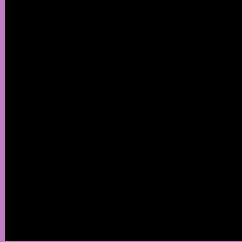
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2549, 0.3158, 0.2401

Background



This preview shows how black text looks on a background with the Yxy color 30.2549, 0.3158, 0.2401.



This preview shows how white text looks on a background with the Yxy color 30.2549, 0.3158, 0.2401.

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

30.2549, 0.3158, 0.2401

Protanopia

30.6510, 0.2444, 0.2367

Deuteranopia

30.4240, 0.2690, 0.2631



Tritanopia

30.0946, 0.3608, 0.3139

Trichromacy



Original Color

30.2549, 0.3158, 0.2401

Protanomaly

30.0335, 0.2663, 0.2367

Deuteranomaly

29.8926, 0.2846, 0.2535

Tritanomaly

29.9893, 0.3448, 0.2848

Monochromacy



Original Color

30.2549, 0.3158, 0.2401

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

30.9445, 0.3145, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2549, 0.3158, 0.2401 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(195, 125, 196)` looks like.

```
.text, #text, p{  
    color:rgb(195, 125, 196)  
}
```

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(195, 125, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 125, 196) }
```

Border

The CSS property to change the border of an element to Yxy 30.2549, 0.3158, 0.2401 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(195, 125, 196) }
```

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

```
.border{ border-color:rgb(195, 125, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 125, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 125, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 125, 196);  
box-shadow:4px 4px 4px 4px rgb(195, 125,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2549, 0.3158, 0.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 125, 196) }
```

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

```
.background{ background-color: rgb(195,  
125, 196) }
```

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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