

Converting Colors

$Y_{xy}(33.3016, 0.3202, 0.2384)$

Have a look what the booklet for
Yxy(33.3016, 0.3202, 0.2384)
contains.

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Color

Yxy(33.2560, 0.3201, 0.2378)

Conversions

Conversions Part 1

Format	Color
Hex	D080CD
RGB	208, 128, 205
RGB Percent	82%, 50%, 80%
CMY	0.1841, 0.4982, 0.1960
CMYK	0.00, 0.38, 0.01, 0.18
HSL	302°, 46%, 66%
HSV	302°, 38%, 82%
XYZ	44.7655, 33.2560, 61.8271
YIQ	160.6980, 22.9630, 40.9070

Conversions

Conversions Part 2

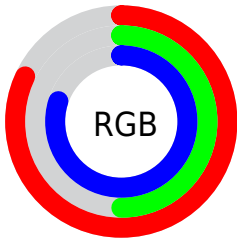
Format	Color
R _Y B	208, 128, 205
Decimal	13664461
CIE Lab	64.37, 42.61, -27.05
CIE LCh	64, 50.470, 327.589
Yxy	33.2560, 0.3201, 0.2378
Android (android.graphics.Color)	4291854541 (0xFFD080CD)
YUV	160.6980, 21.8409, 41.4839
Hunter-Lab	57.6680, 37.6439, -23.1984

Details

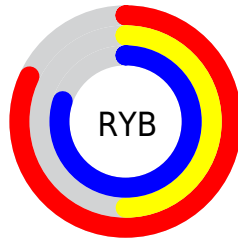
The Yxy color **33.2560, 0.3201, 0.2378** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **51.3685, 0.3054, 0.4411**, and the grayscale version is **35.3823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **14.0786, 0.3196, 0.2131** is the 20% darker color. If you saturate the color by 10%, you get **28.3385, 0.3222, 0.2162**, and if you desaturate by 10%, it is **39.2893, 0.3180, 0.2611**.

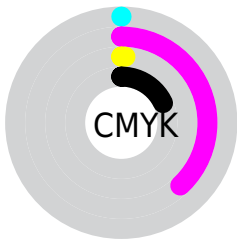
Distribution



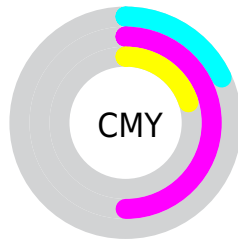
- Red (82%)
- Green (50%)
- Blue (80%)



- Red (82%)
- Yellow (50%)
- Blue (80%)



- Cyan (0%)
- Magenta (38%)
- Yellow (1%)
- Black (18%)




- Cyan (18%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2560, 0.3201, 0.2378 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 33.2560, 0.3201, 0.2378 by changing the saturation by 10% instead.

 33.2560, 0.3201,
0.2378


 33.2560, 0.3201,
0.2378


316.8017, 0.3176,
0.2822

 22.3226, 0.3203,
0.2272


 64.7750, 0.3195,
0.2536

 14.0942, 0.3204,
0.2139

 86.1294, 0.3192,
0.2596

 8.1862, 0.3201,
0.1967

 111.7263, 0.3189,
0.2648

 4.2143, 0.3189,
0.1739

141.9501, 0.3186,
0.2692

 1.7942, 0.3157,
0.1426

177.1851, 0.3183,
0.2731

 0.4835, 0.3099,
0.0889

217.8158, 0.3181,

 0.0000, 0.2661,

0.2765

0.0000

264.2265, 0.3179,
0.2795

0.0000, 0.0000,
0.0000

33.2560, 0.3201,
0.2378

33.2560, 0.3201,
0.2378

28.3385, 0.3222,
0.2162

39.2893, 0.3180,
0.2611

24.4639, 0.3242,
0.1972

46.4968, 0.3161,
0.2851

21.5577, 0.3261,
0.1817

54.9378, 0.3142,
0.3091

19.5334, 0.3278,
0.1703

64.6665, 0.3125,
0.3324


18.2895, 0.3293,
0.1632

75.7340, 0.3109,
0.3546

 17.6697, 0.3306,
0.1599

 88.1884, 0.3095,
0.3754

 17.5962, 0.3307,
0.1596

 89.6201, 0.3090,
0.3768

 89.6598, 0.3085,
0.3759

 89.6997, 0.3081,
0.3750

Harmonies

Analogous

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



33.2560, 0.2472, 0.2138



33.2560, 0.3201, 0.2378



33.2560, 0.4004, 0.2802

Triad

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



33.2560, 0.3201, 0.2378



33.2560, 0.4306, 0.4448



33.2560, 0.1865, 0.2971

Complementary

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



33.2560, 0.3201, 0.2378



51.3685, 0.3054, 0.4411

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.



33.2560, 0.2252, 0.3799



33.2560, 0.3201, 0.2378



33.2560, 0.3655, 0.4742

Square

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



33.2560, 0.3201, 0.2378



33.2560, 0.4666, 0.3918



33.2560, 0.2903, 0.4528



33.2560, 0.1782, 0.2393

Rectangle

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



33.2560, 0.3201, 0.2378



33.2560, 0.4427, 0.3153



33.2560, 0.2903, 0.4528



33.2560, 0.1960, 0.3230

Sweetspot

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



33.2575, 0.3201, 0.2378



81.9318, 0.3149, 0.3004



24.7834, 0.2445, 0.2133



17.1546, 0.3151, 0.2973



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.



33.2575, 0.3201, 0.2378



46.2869, 0.3218, 0.2202



31.5781, 0.3627, 0.2823



12.0010, 0.3144, 0.3070



10.9628, 0.3306, 0.1595



0.6154, 0.3287, 0.1584

Inverse Universe

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



33.2575, 0.3201, 0.2378



46.2869, 0.3218, 0.2202



52.6577, 0.2812, 0.3818



12.0010, 0.3144, 0.3070



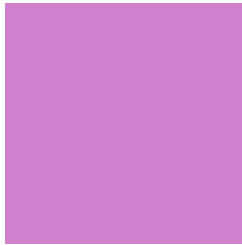
10.9628, 0.3306, 0.1595



0.6154, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 33.2560, 0.3201, 0.2378 looks on a white background.

Color Contrast Check

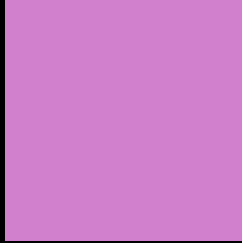
Large Text (above 18pt) WCAG AA × Fail

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 33.2560, 0.3201, 0.2378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

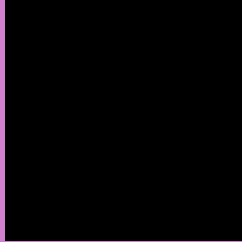
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2560, 0.3201, 0.2378

Background



This preview shows how black text looks on a background with the Yxy color 33.2560, 0.3201, 0.2378.



This preview shows how white text looks on a background with the Yxy color 33.2560, 0.3201, 0.2378.

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

33.2560, 0.3201, 0.2378

Protanopia

33.6158, 0.2421, 0.2327

Deuteranopia

33.5772, 0.2690, 0.2642



Tritanopia

33.0848, 0.3694, 0.3148

Trichromacy



Original Color

33.2560, 0.3201, 0.2378



Protanomaly

32.8898, 0.2657, 0.2331



Deuteranomaly

33.0611, 0.2858, 0.2529



Tritanomaly

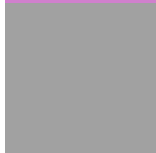
33.0676, 0.3515, 0.2847

Monochromacy



Original Color

33.2560, 0.3201, 0.2378



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.1342, 0.3155, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2560, 0.3201, 0.2378 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(208, 128, 205)` looks like.

```
.text, #text, p{  
    color:rgb(208, 128, 205)  
}
```

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(208, 128, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 128, 205) }
```

Border

The CSS property to change the border of an element to Yxy 33.2560, 0.3201, 0.2378 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(208, 128, 205) }
```

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

```
.border{ border-color:rgb(208, 128, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 128, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 128, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 128, 205);  
box-shadow:4px 4px 4px 4px rgb(208, 128,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2560, 0.3201, 0.2378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 128, 205) }
```

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

```
.background{ background-color: rgb(208,  
128, 205) }
```

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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