

Converting Colors

$Y_{xy}(35.2077, 0.3069, 0.2386)$

Have a look what the booklet for
Yxy(35.2077, 0.3069, 0.2386)
contains.

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Color

Yxy(35.2520, 0.3063, 0.2383)

Conversions

Conversions Part 1

Format	Color
Hex	CA89D5
RGB	202, 137, 213
RGB Percent	79%, 54%, 84%
CMY	0.2079, 0.4627, 0.1647
CMYK	0.05, 0.36, 0.00, 0.16
HSL	291°, 47%, 69%
HSV	291°, 36%, 84%
XYZ	45.3113, 35.2520, 67.3679
YIQ	165.0990, 14.3440, 37.4160

Conversions

Conversions Part 2

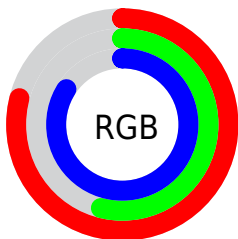
Format	Color
R_{YB}	202, 137, 213
Decimal	13273557
CIE _{Lab}	65.94, 37.39, -29.14
CIE _{LCh}	66, 47.400, 322.066
Yxy	35.2520, 0.3063, 0.2383
Android (android.graphics.Color)	4291463637 (0xFFCA89D5)
YUV	165.0990, 23.6152, 32.3622
Hunter-Lab	59.3734, 32.3204, -25.7119

Details

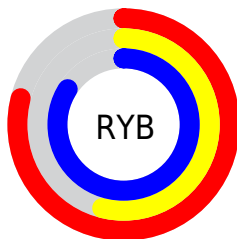
The Yxy color **35.2520, 0.3063, 0.2383** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.6936, 0.3154, 0.4334**, and the grayscale version is **37.5572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **15.3272, 0.3031, 0.2158** is the 20% darker color. If you saturate the color by 10%, you get **29.3572, 0.3036, 0.2135**, and if you desaturate by 10%, it is **42.3538, 0.3086, 0.2641**.

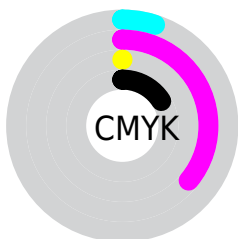
Distribution



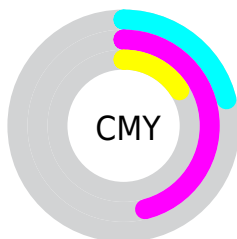
- Red (79%)
- Green (54%)
- Blue (84%)



- Red (79%)
- Yellow (54%)
- Blue (84%)



- Cyan (5%)
- Magenta (36%)
- Yellow (0%)
- Black (16%)




- Cyan (21%)
- Magenta (46%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2520, 0.3063, 0.2383 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 35.2520, 0.3063, 0.2383 by changing the saturation by 10% instead.


 35.2520, 0.3063,
0.2383


 35.2520, 0.3063,
0.2383


325.6792, 0.3108,
0.2822


 23.8571, 0.3048,
0.2279


 67.8760, 0.3082,
0.2538

 15.2276, 0.3026,
0.2149


 89.8738, 0.3089,
0.2598

 8.9793, 0.2994,
0.1982


 116.1747, 0.3094,
0.2649

 4.7277, 0.2942,
0.1761

147.1631, 0.3098,
0.2693

 2.0884, 0.2854,
0.1461

183.2233, 0.3101,
0.2731

 0.6581, 0.2691,
0.1013

224.7398, 0.3104,


 0.0000, 0.2249,


0.2765


0.0000


272.0970, 0.3106,
0.2795

 0.0000, 0.0000,
0.0000

 35.2520, 0.3063,
0.2383


 35.2520, 0.3063,
0.2383

 29.3572, 0.3036,
0.2135


 42.3538, 0.3086,
0.2641


 24.5941, 0.3005,
0.1906


 50.7229, 0.3105,
0.2900


 20.8861, 0.2971,
0.1708

 60.4212, 0.3120,
0.3152

 18.1450, 0.2934,
0.1549

 71.5050, 0.3132,
0.3392

 16.2684, 0.2896,
0.1433

 84.0275, 0.3140,
0.3617

■ 15.1299, 0.2858,
0.1362

■ 91.6192, 0.3153,
0.3730

■ 14.7667, 0.2842,
0.1339

■ 92.1067, 0.3172,
0.3728

■ 92.6031, 0.3192,
0.3725

■ 93.1085, 0.3212,
0.3722

Harmonies

Analogous

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



35.2520, 0.2419, 0.2196



35.2520, 0.3063, 0.2383



35.2520, 0.3808, 0.2755

Triad

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



35.2520, 0.3063, 0.2383



35.2520, 0.4313, 0.4295



35.2520, 0.1999, 0.3132

Complementary

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



35.2520, 0.3063, 0.2383



55.6936, 0.3154, 0.4334

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.



35.2520, 0.2417, 0.3900



35.2520, 0.3063, 0.2383



35.2520, 0.3750, 0.4608

Square

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



35.2520, 0.3063, 0.2383



35.2520, 0.4569, 0.3790



35.2520, 0.3055, 0.4496



35.2520, 0.1865, 0.2541

Rectangle

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



35.2520, 0.3063, 0.2383



35.2520, 0.4232, 0.3076



35.2520, 0.3055, 0.4496



35.2520, 0.2107, 0.3381

Sweetspot

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



35.2535, 0.3063, 0.2383



82.6282, 0.3112, 0.3016



31.4313, 0.2504, 0.2387



17.2653, 0.3110, 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.



35.2535, 0.3063, 0.2383



45.9485, 0.3042, 0.2189



35.6027, 0.3430, 0.2696



12.5373, 0.3115, 0.3059



9.0545, 0.2848, 0.1342



0.5716, 0.2914, 0.1379

Inverse Universe

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



34.1790, 0.3852, 0.3155



44.1995, 0.4093, 0.3126



55.5748, 0.2915, 0.3973



12.4498, 0.3269, 0.3256



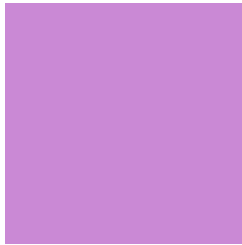
8.7102, 0.6194, 0.3186



0.5350, 0.5779, 0.2957

Previews

White Background



This preview shows how the Yxy color 35.2520, 0.3063, 0.2383 looks on a white background.

Color Contrast Check

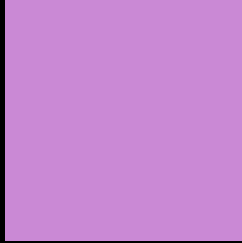
Large Text (above 18pt) WCAG AA × Fail

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 35.2520, 0.3063, 0.2383 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 35.2520, 0.3063, 0.2383

Background



This preview shows how black text looks on a background with the Yxy color 35.2520, 0.3063, 0.2383.



This preview shows how white text looks on a background with the Yxy color 35.2520, 0.3063, 0.2383.

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

35.2520, 0.3063, 0.2383

Protanopia

35.5141, 0.2434, 0.2346

Deuteranopia

35.5412, 0.2648, 0.2592



Tritanopia

35.1523, 0.3498, 0.3145

Trichromacy



Original Color

35.2520, 0.3063, 0.2383



Protanomaly

34.7175, 0.2628, 0.2344



Deuteranomaly

34.9009, 0.2789, 0.2503



Tritanomaly

35.0715, 0.3332, 0.2841

Monochromacy



Original Color

35.2520, 0.3063, 0.2383



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.2851, 0.3106, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2520, 0.3063, 0.2383 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(202, 137, 213)` looks like.

```
.text, #text, p{  
    color:rgb(202, 137, 213)  
}
```

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(202, 137, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 137, 213) }
```

Border

The CSS property to change the border of an element to Yxy 35.2520, 0.3063, 0.2383 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(202, 137, 213) }
```

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

```
.border{ border-color:rgb(202, 137, 213) }
```

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

Here you see how a box with a 4 pixel rgb(202, 137, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 137, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 137, 213);  
box-shadow:4px 4px 4px 4px rgb(202, 137,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2520, 0.3063, 0.2383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 137, 213) }
```

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

```
.background{ background-color: rgb(202,  
137, 213) }
```

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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