

Converting Colors

$Y_{xy}(65.8560, 0.3093, 0.2892)$

Have a look what the booklet for
Yxy(65.8560, 0.3093, 0.2892)
contains.

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Color

Yxy(65.8560, 0.3093, 0.2892)

Conversions

Conversions Part 1

Format	Color
Hex	E9CAF0
RGB	233, 202, 240
RGB Percent	91%, 79%, 94%
CMY	0.0866, 0.2077, 0.0589
CMYK	0.03, 0.16, 0.00, 0.06
HSL	289°, 56%, 87%
HSV	289°, 16%, 94%
XYZ	70.4331, 65.8560, 91.4287
YIQ	215.6010, 6.2780, 18.3900

Conversions

Conversions Part 2

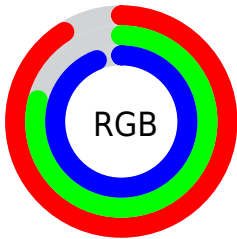
Format	Color
R_{YB}	233, 202, 240
Decimal	15321840
CIE _{Lab}	84.92, 17.45, -14.68
CIE _{LCh}	85, 22.804, 319.928
Yxy	65.8560, 0.3093, 0.2892
Android (android.graphics.Color)	4293511920 (0xFFE9CAF0)
YUV	215.6010, 12.0287, 15.2589
Hunter-Lab	81.1517, 12.9081, -9.9923

Details

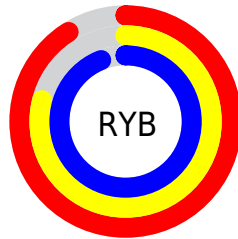
The Yxy color $65.8560, 0.3093, 0.2892$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $80.1501, 0.3154, 0.3709$, and the grayscale version is $68.2942, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.9876, 0.3081, 0.2802$ is the 20% darker color. If you saturate the color by 10%, you get $54.7145, 0.3065, 0.2629$, and if you desaturate by 10%, it is $78.7736, 0.3116, 0.3147$.

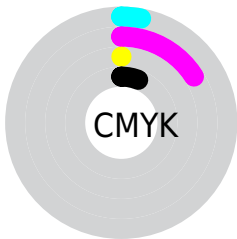
Distribution



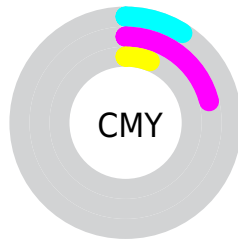
- Red (91%)
- Green (79%)
- Blue (94%)



- Red (91%)
- Yellow (79%)
- Blue (94%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)




- Cyan (9%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8560, 0.3093, 0.2892 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 65.8560, 0.3093, 0.2892 by changing the saturation by 10% instead.


 65.8560, 0.3093,
0.2892

 65.8560, 0.3093,
0.2892


445.8617, 0.3111,
0.3074

 48.1555, 0.3088,
0.2851


113.2796, 0.3100,
0.2955

 33.9501, 0.3082,
0.2801


143.7716, 0.3102,
0.2979

 22.8552, 0.3074,
0.2738


179.2961, 0.3104,
0.3000

 14.4867, 0.3062,
0.2656

220.2376, 0.3106,
0.3019

 8.4599, 0.3045,
0.2546

266.9806, 0.3108,
0.3035

 4.3906, 0.3017,
0.2392


319.9093, 0.3109,


 1.8944, 0.2967,


0.3049

0.2158


379.4082, 0.3110,
0.3062

 0.5450, 0.2897,
0.1665

 0.0000, 0.0000,
0.0000

 65.8560, 0.3093,
0.2892


 65.8560, 0.3093,
0.2892


 54.7145, 0.3065,
0.2629


 78.7736, 0.3116,
0.3147


 45.2597, 0.3032,
0.2365

 93.5343, 0.3134,
0.3390

 37.4073, 0.2993,
0.2109

 97.4626, 0.3160,
0.3437

 31.0622, 0.2950,
0.1873

 98.2816, 0.3188,
0.3436

■ 26.1195, 0.2903,
0.1667

■ 99.0707, 0.3215,
0.3434

■ 22.4602, 0.2854,
0.1500

■ 19.9456, 0.2804,
0.1379

■ 18.4044, 0.2755,
0.1303

■ 17.9353, 0.2734,
0.1280

Harmonies

Analogous

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



65.8560, 0.2827, 0.2821



65.8560, 0.3093, 0.2892



65.8560, 0.3380, 0.3057

Triad

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



65.8560, 0.3093, 0.2892



65.8560, 0.3623, 0.3709



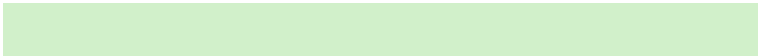
65.8560, 0.2671, 0.3270

Complementary

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



65.8560, 0.3093, 0.2892



80.1501, 0.3154, 0.3709

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.



65.8560, 0.2869, 0.3538



65.8560, 0.3093, 0.2892



65.8560, 0.3418, 0.3796

Square

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



65.8560, 0.3093, 0.2892



65.8560, 0.3693, 0.3517



65.8560, 0.3141, 0.3736



65.8560, 0.2592, 0.3023

Rectangle

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



65.8560, 0.3093, 0.2892



65.8560, 0.3541, 0.3203



65.8560, 0.3141, 0.3736



65.8560, 0.2725, 0.3361

Sweetspot

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



65.8588, 0.3093, 0.2892



91.6858, 0.3118, 0.3167



64.7604, 0.2873, 0.2952



19.3837, 0.3116, 0.3150



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.



65.8588, 0.3093, 0.2892



71.2174, 0.3084, 0.2807



66.4157, 0.3227, 0.3012



15.8740, 0.3108, 0.3055



9.8735, 0.2742, 0.1284



0.8594, 0.2807, 0.1320

Inverse Universe

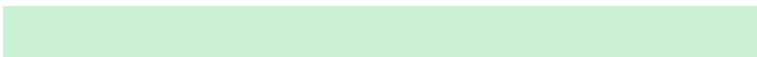
The Inverse Universe completely reimagines the original color for something new.



65.3890, 0.3372, 0.3215



70.6035, 0.3434, 0.3199



79.7012, 0.3040, 0.3585



15.8069, 0.3264, 0.3246



10.2575, 0.6110, 0.3139



0.8665, 0.5765, 0.2949

Previews

White Background



This preview shows how the Yxy color 65.8560, 0.3093, 0.2892 looks on a white background.

Color Contrast Check

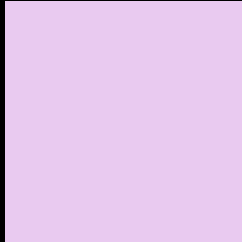
Large Text (above 18pt) WCAG AA × Fail

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 65.8560, 0.3093, 0.2892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

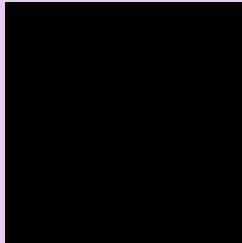
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8560, 0.3093, 0.2892

Background



This preview shows how black text looks on a background with the Yxy color 65.8560, 0.3093, 0.2892.



This preview shows how white text looks on a background with the Yxy color 65.8560, 0.3093, 0.2892.

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

65.8560, 0.3093, 0.2892

Protanopia

66.3029, 0.2870, 0.2917

Deuteranopia

66.0733, 0.3005, 0.2945



Tritanopia

65.7061, 0.3204, 0.3118

Trichromacy



Original Color

65.8560, 0.3093, 0.2892

Protanomaly

66.1817, 0.2950, 0.2912

Deuteranomaly

65.9022, 0.3041, 0.2927

Tritanomaly

65.7761, 0.3162, 0.3034

Monochromacy



Original Color

65.8560, 0.3093, 0.2892

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

67.5544, 0.3112, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8560, 0.3093, 0.2892 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(233, 202, 240)` looks like.

```
.text, #text, p{  
    color:rgb(233, 202, 240)  
}
```

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(233, 202, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 202, 240) }
```

Border

The CSS property to change the border of an element to Yxy 65.8560, 0.3093, 0.2892 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(233, 202, 240) }
```

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

```
.border{ border-color:rgb(233, 202, 240) }
```

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

Here you see how a box with a 4 pixel rgb(233, 202, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 202, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 202, 240);  
box-shadow:4px 4px 4px 4px rgb(233, 202,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8560, 0.3093, 0.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 202, 240) }
```

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

```
.background{ background-color: rgb(233,  
202, 240) }
```

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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