

Converting Colors

$Y_{xy}(65.0506, 0.3060, 0.2815)$

Have a look what the booklet for
Yxy(65.0506, 0.3060, 0.2815)
contains.

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Color

Yxy(65.2248, 0.3060, 0.2821)

Conversions

Conversions Part 1

Format	Color
Hex	E9C8F5
RGB	233, 200, 245
RGB Percent	91%, 78%, 96%
CMY	0.0861, 0.2157, 0.0393
CMYK	0.05, 0.18, 0.00, 0.04
HSL	284°, 69%, 87%
HSV	284°, 18%, 96%
XYZ	70.7508, 65.2248, 95.2361
YIQ	214.9970, 5.2230, 20.9910

Conversions

Conversions Part 2

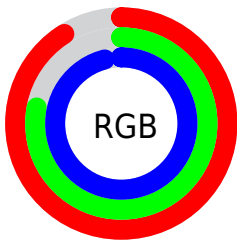
Format	Color
R _Y B	233, 200, 245
Decimal	15321333
CIE _{Lab}	84.60, 19.52, -17.82
CIE _{LCh}	85, 26.434, 317.610
Yxy	65.2248, 0.3060, 0.2821
Android (android.graphics.Color)	4293511413 (0xFFE9C8F5)
YUV	214.9970, 14.7915, 15.7886
Hunter-Lab	80.7619, 15.0401, -13.3827

Details

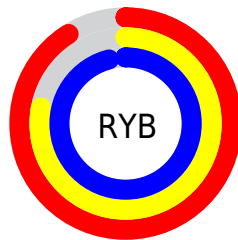
The Yxy color $65.2248, 0.3060, 0.2821$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $83.4526, 0.3181, 0.3781$, and the grayscale version is $67.8530, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.5790, 0.3036, 0.2712$ is the 20% darker color. If you saturate the color by 10%, you get $53.7014, 0.3013, 0.2551$, and if you desaturate by 10%, it is $78.6121, 0.3099, 0.3082$.

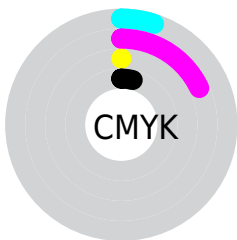
Distribution



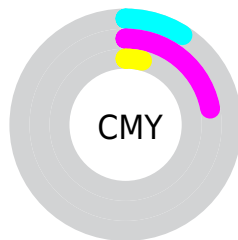
- Red (91%)
- Green (78%)
- Blue (96%)



- Red (91%)
- Yellow (78%)
- Blue (96%)



- Cyan (5%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)





- Cyan (9%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2248, 0.3060, 0.2821 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 65.2248, 0.3060, 0.2821 by changing the saturation by 10% instead.

 65.2248, 0.3060,
0.2821

 65.2248, 0.3060,
0.2821


443.5994, 0.3095,
0.3034

 47.6434, 0.3051,
0.2773


112.3730, 0.3073,
0.2894

 33.5446, 0.3040,
0.2715


142.7086, 0.3077,
0.2923

 22.5439, 0.3025,
0.2641


178.0643, 0.3081,
0.2948

 14.2571, 0.3005,
0.2547

218.8246, 0.3085,
0.2969

 8.2997, 0.2976,
0.2421

265.3739, 0.3088,
0.2989

 4.2873, 0.2930,
0.2244

318.0965, 0.3090,

 1.8356, 0.2851,

0.3006

0.1982

377.3768, 0.3093,
0.3021

0.5092, 0.2729,
0.1438

0.0000, 0.0000,
0.0000

65.2248, 0.3060,
0.2821

65.2248, 0.3060,
0.2821

53.7014, 0.3013,
0.2551

78.6121, 0.3099,
0.3082

43.9468, 0.2959,
0.2279

93.9361, 0.3132,
0.3329

35.8698, 0.2898,
0.2015

98.9093, 0.3170,
0.3386

29.3677, 0.2832,
0.1770

99.3718, 0.3185,
0.3386

■ 24.3264, 0.2761,
0.1557

■ 20.6159, 0.2688,
0.1385

■ 18.0829, 0.2616,
0.1260

■ 16.5111, 0.2546,
0.1181

■ 16.2966, 0.2535,
0.1170

Harmonies

Analogous

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



65.2248, 0.2759, 0.2748



65.2248, 0.3060, 0.2821



65.2248, 0.3395, 0.3003

Triad

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



65.2248, 0.3060, 0.2821



65.2248, 0.3716, 0.3760



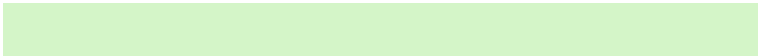
65.2248, 0.2612, 0.3289

Complementary

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



65.2248, 0.3060, 0.2821



83.4526, 0.3181, 0.3781

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.



65.2248, 0.2848, 0.3602



65.2248, 0.3060, 0.2821



65.2248, 0.3486, 0.3878

Square

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



65.2248, 0.3060, 0.2821



65.2248, 0.3785, 0.3529



65.2248, 0.3166, 0.3825



65.2248, 0.2511, 0.2996

Rectangle

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



65.2248, 0.3060, 0.2821



65.2248, 0.3589, 0.3167



65.2248, 0.3166, 0.3825



65.2248, 0.2677, 0.3396

Sweetspot

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



65.2276, 0.3060, 0.2821



89.8622, 0.3108, 0.3142



65.9507, 0.2831, 0.2924



19.0081, 0.3105, 0.3125



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.



65.2276, 0.3060, 0.2821



66.5673, 0.3044, 0.2722



66.6821, 0.3224, 0.2936



16.5343, 0.3095, 0.3054



8.8513, 0.2546, 0.1176



0.8278, 0.2632, 0.1224

Inverse Universe

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



65.4631, 0.3393, 0.3165



66.9046, 0.3460, 0.3139



82.2527, 0.3043, 0.3672



16.5547, 0.3252, 0.3227



10.6828, 0.5883, 0.3014



0.9552, 0.5530, 0.2820

Previews

White Background



This preview shows how the Yxy color 65.2248, 0.3060, 0.2821 looks on a white background.

Color Contrast Check

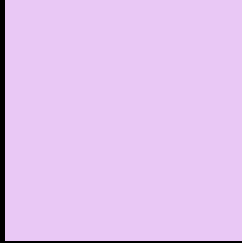
Large Text (above 18pt) WCAG AA × Fail

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 65.2248, 0.3060, 0.2821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

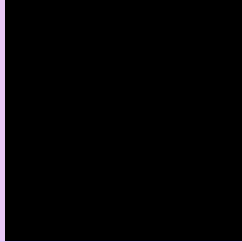
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2248, 0.3060, 0.2821

Background



This preview shows how black text looks on a background with the Yxy color 65.2248, 0.3060, 0.2821.



This preview shows how white text looks on a background with the Yxy color 65.2248, 0.3060, 0.2821.

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

65.2248, 0.3060, 0.2821

Protanopia

65.2625, 0.2812, 0.2831

Deuteranopia

65.2732, 0.2944, 0.2880



Tritanopia

65.0111, 0.3204, 0.3117

Trichromacy



Original Color

65.2248, 0.3060, 0.2821

Protanomaly

65.2783, 0.2898, 0.2827

Deuteranomaly

65.2470, 0.2986, 0.2863

Tritanomaly

65.1920, 0.3148, 0.3012

Monochromacy



Original Color

65.2248, 0.3060, 0.2821

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.1138, 0.3106, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2248, 0.3060, 0.2821 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, 200, 245)` looks like.

```
.text, #text, p{  
    color:rgb(233, 200, 245)  
}
```

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, 200, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 200, 245) }
```

Border

The CSS property to change the border of an element to Yxy 65.2248, 0.3060, 0.2821 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, 200, 245) }
```

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

```
.border{ border-color:rgb(233, 200, 245) }
```

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

Here you see how a box with a 4 pixel rgb(233, 200, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 200, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 200, 245);  
box-shadow:4px 4px 4px 4px rgb(233, 200,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2248, 0.3060, 0.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 200, 245) }
```

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

```
.background{ background-color: rgb(233,  
200, 245) }
```

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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