

Converting Colors

$Yxy(65.0804, 0.2964, 0.2785)$

Have a look what the booklet for
Yxy(65.0804, 0.2964, 0.2785)
contains.

Yxy(64.9905, 0.2961, 0.2784)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.9905, 0.2961, 0.2784)

Conversions

Conversions Part 1

Format	Color
Hex	E0CAFA
RGB	224, 202, 250
RGB Percent	88%, 79%, 98%
CMY	0.1214, 0.2079, 0.0197
CMYK	0.10, 0.19, 0.00, 0.02
HSL	268°, 83%, 89%
HSV	268°, 19%, 98%
XYZ	69.1224, 64.9905, 99.3299
YIQ	214.0500, -2.2960, 19.5920

Conversions

Conversions Part 2

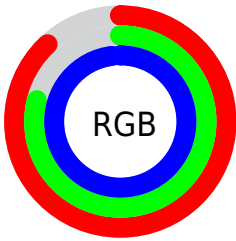
Format	Color
R_{YB}	224, 202, 250
Decimal	14732026
CIE _{Lab}	84.48, 16.54, -20.73
CIE _{LCh}	84, 26.521, 308.584
Yxy	64.9905, 0.2961, 0.2784
Android (android.graphics.Color)	4292922106 (0xFFE0CAFA)
YUV	214.0500, 17.7233, 8.7261
Hunter-Lab	80.6167, 11.9704, -16.6211

Details

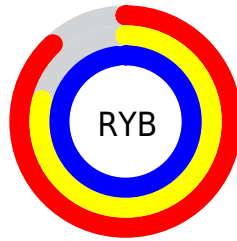
The Yxy color $64.9905, 0.2961, 0.2784$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $89.1100, 0.3269, 0.3793$, and the grayscale version is $67.1642, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.3549, 0.2916, 0.2675$ is the 20% darker color. If you saturate the color by 10%, you get $52.1225, 0.2854, 0.2492$, and if you desaturate by 10%, it is $79.9358, 0.3054, 0.3058$.

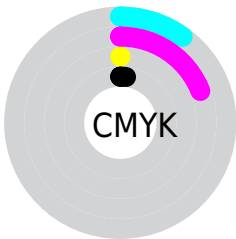
Distribution



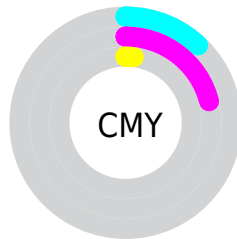
- Red (88%)
- Green (79%)
- Blue (98%)



- Red (88%)
- Yellow (79%)
- Blue (98%)



- Cyan (10%)
- Magenta (19%)
- Yellow (0%)
- Black (2%)



- Cyan (12%)
- Magenta (21%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9905, 0.2961, 0.2784 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 64.9905, 0.2961, 0.2784 by changing the saturation by 10% instead.

64.9905, 0.2961,
0.2784

64.9905, 0.2961,
0.2784

442.7578, 0.3042,
0.3014

47.4534, 0.2942,
0.2732

112.0362, 0.2990,
0.2863

33.3942, 0.2917,
0.2669

142.3136, 0.3001,
0.2894

22.4286, 0.2886,
0.2590

177.6065, 0.3010,
0.2921

14.1722, 0.2844,
0.2488

218.2993, 0.3018,
0.2944

8.2405, 0.2785,
0.2352

264.7765, 0.3025,
0.2965

4.2492, 0.2698,
0.2163

317.4223, 0.3031,

1.8139, 0.2555,

0.2983

0.1883

376.6213, 0.3037,
0.3000

0.4958, 0.2324,
0.1316

0.0000, 0.0000,
0.0000

64.9905, 0.2961,
0.2784

64.9905, 0.2961,
0.2784

52.1225, 0.2854,
0.2492

79.9358, 0.3054,
0.3058

41.2281, 0.2734,
0.2188

97.0391, 0.3133,
0.3309

32.2073, 0.2602,
0.1884

99.6812, 0.3156,
0.3338

24.9473, 0.2461,
0.1592

■ 19.3230, 0.2318,
0.1329

■ 15.1920, 0.2179,
0.1111

■ 12.3858, 0.2050,
0.0949

■ 10.6516, 0.1937,
0.0843

■ 10.5341, 0.1928,
0.0836

Harmonies

Analogous

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



64.9905, 0.2684, 0.2748



64.9905, 0.2961, 0.2784



64.9905, 0.3297, 0.2937

Triad

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



64.9905, 0.2961, 0.2784



64.9905, 0.3759, 0.3701



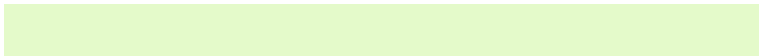
64.9905, 0.2668, 0.3386

Complementary

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



64.9905, 0.2961, 0.2784



89.1100, 0.3269, 0.3793

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.



64.9905, 0.2937, 0.3686



64.9905, 0.2961, 0.2784



64.9905, 0.3570, 0.3861

Square

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



64.9905, 0.2961, 0.2784



64.9905, 0.3772, 0.3449



64.9905, 0.3267, 0.3863



64.9905, 0.2523, 0.3075

Rectangle

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



64.9905, 0.2961, 0.2784



64.9905, 0.3509, 0.3089



64.9905, 0.3267, 0.3863



64.9905, 0.2747, 0.3493

Sweetspot

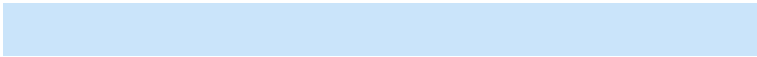
The Sweet Spot groups the original color and five complimentary colors.



64.9932, 0.2961, 0.2784



89.0884, 0.3080, 0.3141



75.1582, 0.2825, 0.3057



18.8251, 0.3075, 0.3124



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.



64.9932, 0.2961, 0.2784



62.5919, 0.2922, 0.2674



69.0206, 0.3132, 0.2810



17.0336, 0.3051, 0.3050



5.6717, 0.1945, 0.0845



0.5875, 0.2076, 0.0917

Inverse Universe

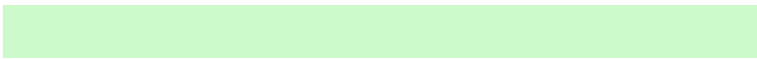
The Inverse Universe completely reimagines the original color for something new.



68.1581, 0.3309, 0.3026



66.5027, 0.3353, 0.2970



85.5188, 0.3117, 0.3817



17.3822, 0.3209, 0.3162



11.7403, 0.4790, 0.2412



1.1088, 0.4549, 0.2279

Previews

White Background



This preview shows how the Yxy color 64.9905, 0.2961, 0.2784 looks on a white background.

Color Contrast Check

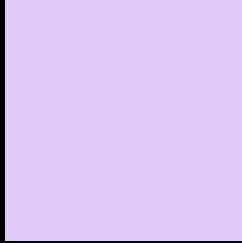
Large Text (above 18pt) WCAG AA × Fail

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 64.9905, 0.2961, 0.2784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

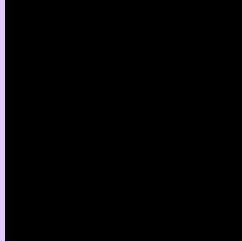
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9905, 0.2961, 0.2784

Background



This preview shows how black text looks on a background with the Yxy color 64.9905, 0.2961, 0.2784.

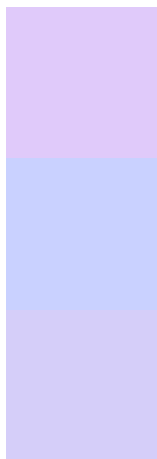


This preview shows how white text looks on a background with the Yxy color 64.9905, 0.2961, 0.2784.

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

64.9905, 0.2961, 0.2784

Protanopia

65.2384, 0.2776, 0.2789

Deuteranopia

65.1283, 0.2891, 0.2826



Tritanopia

65.1690, 0.3113, 0.3114

Trichromacy



Original Color

64.9905, 0.2961, 0.2784

Protanomaly

64.7898, 0.2839, 0.2783

Deuteranomaly

65.2539, 0.2918, 0.2819

Tritanomaly

64.9180, 0.3052, 0.2986

Monochromacy



Original Color

64.9905, 0.2961, 0.2784

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.5447, 0.3070, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9905, 0.2961, 0.2784 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(224, 202, 250)` looks like.

```
.text, #text, p{  
    color:rgb(224, 202, 250)  
}
```

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(224, 202, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 202, 250) }
```

Border

The CSS property to change the border of an element to Yxy 64.9905, 0.2961, 0.2784 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(224, 202, 250) }
```

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

```
.border{ border-color:rgb(224, 202, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 202, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 202, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 202, 250);  
box-shadow:4px 4px 4px 4px rgb(224, 202,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9905, 0.2961, 0.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 202, 250) }
```

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

```
.background{ background-color: rgb(224,  
202, 250) }
```

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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