

Converting Colors

Yxy(64.4984, 0.3046, 0.2965)

Have a look what the booklet for
Yxy(64.4984, 0.3046, 0.2965)
contains.

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Color

Yxy(64.4984, 0.3046, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	DDCCEA
RGB	221, 204, 234
RGB Percent	87%, 80%, 92%
CMY	0.1333, 0.2000, 0.0825
CMYK	0.06, 0.13, 0.00, 0.08
HSL	274°, 42%, 86%
HSV	274°, 13%, 92%
XYZ	66.2604, 64.4984, 86.7737
YIQ	212.5030, 0.5020, 12.9340

Conversions

Conversions Part 2

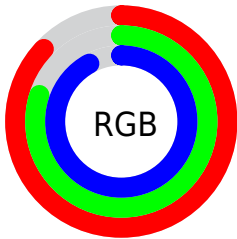
Format	Color
R_{YB}	221, 204, 234
Decimal	14535914
CIE Lab	84.22, 11.34, -12.63
CIE LCh	84, 16.973, 311.935
Yxy	64.4984, 0.3046, 0.2965
Android (android.graphics.Color)	4292725994 (0xFFDDCCEA)
YUV	212.5030, 10.5980, 7.4519
Hunter-Lab	80.3109, 6.7272, -7.8436

Details

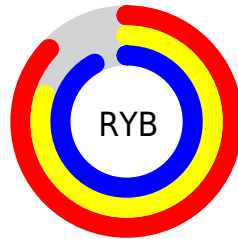
The Yxy color $64.4984, 0.3046, 0.2965$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $77.9339, 0.3200, 0.3618$, and the grayscale version is $66.1195, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.1340, 0.3028, 0.2894$ is the 20% darker color. If you saturate the color by 10%, you get $52.6604, 0.2970, 0.2691$, and if you desaturate by 10%, it is $78.1084, 0.3111, 0.3222$.

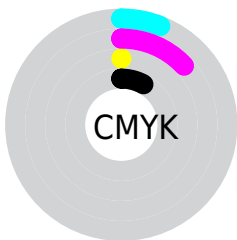
Distribution



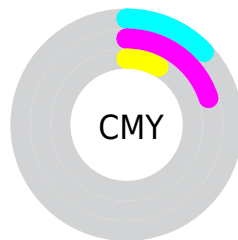
- Red (87%)
- Green (80%)
- Blue (92%)



- Red (87%)
- Yellow (80%)
- Blue (92%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (8%)



- Cyan (13%)
- Magenta (20%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4984, 0.3046, 0.2965 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 64.4984, 0.3046, 0.2965 by changing the saturation by 10% instead.

64.4984, 0.3046,
0.2965

64.4984, 0.3046,
0.2965

440.9872, 0.3086,
0.3115

47.0545, 0.3036,
0.2931

111.3284, 0.3060,
0.3017

33.0787, 0.3024,
0.2888

141.4833, 0.3066,
0.3037

22.1868, 0.3009,
0.2835

176.6439, 0.3070,
0.3055

13.9942, 0.2988,
0.2765

217.1947, 0.3074,
0.3070

8.1166, 0.2958,
0.2670

263.5200, 0.3078,
0.3083

4.1697, 0.2912,
0.2533

316.0043, 0.3081,

1.7689, 0.2834,

0.3095

0.2321

375.0319, 0.3083,
0.3106

0.4677, 0.2725,
0.1767

0.0000, 0.0000,
0.0000

64.4984, 0.3046,
0.2965

64.4984, 0.3046,
0.2965

52.6604, 0.2970,
0.2691

78.1084, 0.3111,
0.3222

42.5101, 0.2882,
0.2404

93.5532, 0.3165,
0.3458

33.9687, 0.2784,
0.2113

98.0367, 0.3227,
0.3495

26.9478, 0.2676,
0.1829

98.7187, 0.3250,
0.3493

■ 21.3500, 0.2561,
0.1566

■ 17.0663, 0.2443,
0.1336

■ 13.9712, 0.2328,
0.1153

■ 11.9135, 0.2220,
0.1022

■ 10.9057, 0.2147,
0.0956

Harmonies

Analogous

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



64.4984, 0.2858, 0.2935



64.4984, 0.3046, 0.2965



64.4984, 0.3262, 0.3075

Triad

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



64.4984, 0.3046, 0.2965



64.4984, 0.3524, 0.3575



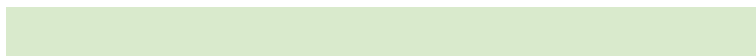
64.4984, 0.2815, 0.3332

Complementary

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



64.4984, 0.3046, 0.2965



77.9339, 0.3200, 0.3618

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.



64.4984, 0.2985, 0.3521



64.4984, 0.3046, 0.2965



64.4984, 0.3395, 0.3661

Square

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



64.4984, 0.3046, 0.2965



64.4984, 0.3543, 0.3419



64.4984, 0.3197, 0.3643



64.4984, 0.2728, 0.3138

Rectangle

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



64.4984, 0.3046, 0.2965



64.4984, 0.3392, 0.3180



64.4984, 0.3197, 0.3643



64.4984, 0.2864, 0.3398

Sweetspot

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



64.5011, 0.3046, 0.2965



92.8366, 0.3104, 0.3192



68.3976, 0.2927, 0.3101



19.5911, 0.3099, 0.3173



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.



64.5011, 0.3046, 0.2965



74.9728, 0.3030, 0.2904



66.5006, 0.3156, 0.2995



14.9707, 0.3069, 0.3053



6.2061, 0.2162, 0.0965



0.5440, 0.2302, 0.1042

Inverse Universe

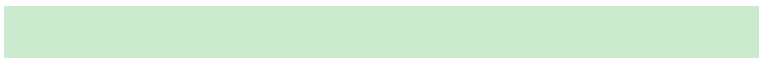
The Inverse Universe completely reimagines the original color for something new.



65.6841, 0.3264, 0.3151



76.6570, 0.3292, 0.3126



76.1221, 0.3099, 0.3604



15.1623, 0.3225, 0.3188



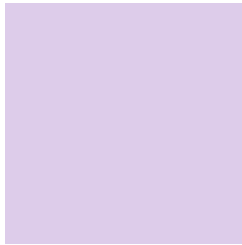
10.3844, 0.5240, 0.2660



0.8344, 0.4891, 0.2468

Previews

White Background



This preview shows how the Yxy color 64.4984, 0.3046, 0.2965 looks on a white background.

Color Contrast Check

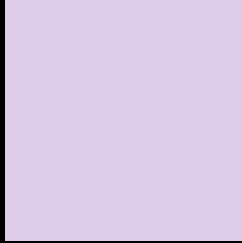
Large Text (above 18pt) WCAG AA × Fail

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 64.4984, 0.3046, 0.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

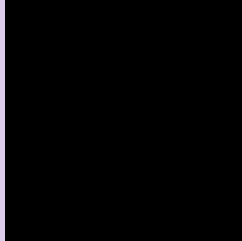
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

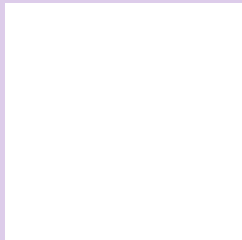
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.4984, 0.3046, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 64.4984, 0.3046, 0.2965.



This preview shows how white text looks on a background with the Yxy color 64.4984, 0.3046, 0.2965.

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

64.4984, 0.3046, 0.2965

Protanopia

64.8372, 0.2919, 0.2979

Deuteranopia

64.8188, 0.3038, 0.2975



Tritanopia

64.4766, 0.3113, 0.3113

Trichromacy



Original Color

64.4984, 0.3046, 0.2965

Protanomaly

64.5307, 0.2960, 0.2970

Deuteranomaly

64.8188, 0.3038, 0.2975

Tritanomaly

64.3693, 0.3093, 0.3060

Monochromacy



Original Color

64.4984, 0.3046, 0.2965

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.9126, 0.3096, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4984, 0.3046, 0.2965 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(221, 204, 234)` looks like.

```
.text, #text, p{  
    color:rgb(221, 204, 234)  
}
```

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(221, 204, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 204, 234) }
```

Border

The CSS property to change the border of an element to Yxy 64.4984, 0.3046, 0.2965 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(221, 204, 234) }
```

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

```
.border{ border-color:rgb(221, 204, 234) }
```

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

Here you see how a box with a 4 pixel rgb(221, 204, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 204, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 204, 234);  
box-shadow:4px 4px 4px 4px rgb(221, 204,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4984, 0.3046, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 204, 234) }
```

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

```
.background{ background-color: rgb(221,  
204, 234) }
```

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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