

Converting Colors

$Y_{xy}(96.0885, 0.4403, 0.3120)$

Have a look what the booklet for
Yxy(96.0885, 0.4403, 0.3120)
contains.

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Color

Yxy(63.4795, 0.3455, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	FFBFD8
RGB	255, 191, 216
RGB Percent	100%, 75%, 85%
CMY	0.0000, 0.2509, 0.1529
CMYK	0.00, 0.25, 0.15, 0.00
HSL	337°, 100%, 87%
HSV	337°, 25%, 100%
XYZ	72.2641, 63.4795, 73.4145
YIQ	212.9860, 30.1190, 21.3430

Conversions

Conversions Part 2

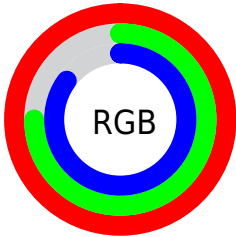
Format	Color
R _Y B	255, 191, 216
Decimal	16760792
CIE Lab	83.69, 26.63, -3.49
CIE LCh	84, 26.862, 352.535
Yxy	63.4795, 0.3455, 0.3035
Android (android.graphics.Color)	4294950872 (0xFFFFBFD8)
YUV	212.9860, 1.4859, 36.8463
Hunter-Lab	79.6740, 22.4695, 1.1399

Details

The Yxy color $63.4795, 0.3455, 0.3035$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $88.3060, 0.2885, 0.3561$, and the grayscale version is $66.5064, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.6148, 0.3130, 0.3223$, and $32.3348, 0.3534, 0.2975$ is the 20% darker color. If you saturate the color by 10%, you get $52.5453, 0.3637, 0.2928$, and if you desaturate by 10%, it is $76.4315, 0.3305, 0.3140$.

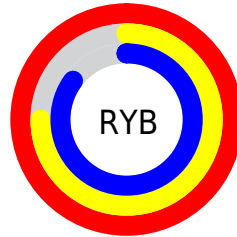
Distribution



Red (100%)

Green (75%)

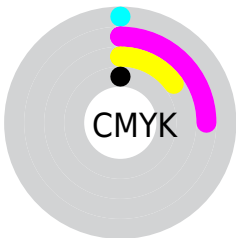
Blue (85%)



Red (100%)

Yellow (75%)

Blue (85%)

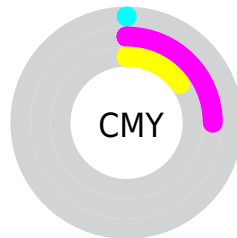


Cyan (0%)

Magenta (25%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (25%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4795, 0.3455, 0.3035 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 63.4795, 0.3455, 0.3035 by changing the saturation by 10% instead.


 63.4795, 0.3455,
0.3035

 63.4795, 0.3455,
0.3035

437.3076, 0.3300,
0.3154

 46.2292, 0.3491,
0.3008

 109.8610, 0.3401,
0.3077

 32.4267, 0.3536,
0.2973


139.7610, 0.3380,
0.3093

 21.6877, 0.3593,
0.2930


174.6464, 0.3362,
0.3106

 13.6276, 0.3670,
0.2873

214.9015, 0.3346,
0.3118

 7.8621, 0.3775,
0.2795

260.9108, 0.3333,
0.3129

 4.0068, 0.3932,
0.2680

313.0587, 0.3321,

 1.6774, 0.4187,

0.3138

0.2498

371.7295, 0.3310,
0.3147

0.4090, 0.4899,
0.1900

0.0000, 0.0000,
0.0000

63.4795, 0.3455,
0.3035

63.4795, 0.3455,
0.3035

52.5453, 0.3637,
0.2928

76.4315, 0.3305,
0.3140

43.5179, 0.3855,
0.2825

91.4877, 0.3181,
0.3241

36.2885, 0.4109,
0.2735

99.9987, 0.3127,
0.3290

30.7339, 0.4397,
0.2669

■ 26.7152, 0.4710,
0.2640

■ 24.0706, 0.5028,
0.2660

■ 22.6012, 0.5328,
0.2734

■ 22.1717, 0.5465,
0.2784

Harmonies

Analogous

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



63.4795, 0.3115, 0.2834



63.4795, 0.3455, 0.3035



63.4795, 0.3713, 0.3301

Triad

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



63.4795, 0.3455, 0.3035



63.4795, 0.3444, 0.3897



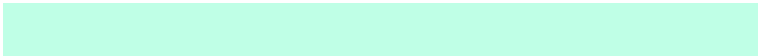
63.4795, 0.2494, 0.2948

Complementary

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



63.4795, 0.3455, 0.3035



88.3060, 0.2885, 0.3561

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.



63.4795, 0.2572, 0.3235



63.4795, 0.3455, 0.3035



63.4795, 0.3111, 0.3813

Square

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



63.4795, 0.3455, 0.3035



63.4795, 0.3701, 0.3801



63.4795, 0.2793, 0.3561



63.4795, 0.2573, 0.2774

Rectangle

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



63.4795, 0.3455, 0.3035



63.4795, 0.3795, 0.3488



63.4795, 0.2793, 0.3561



63.4795, 0.2503, 0.3033

Sweetspot

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



63.4824, 0.3455, 0.3035



86.8930, 0.3214, 0.3213



61.2087, 0.2965, 0.2626



18.1046, 0.3233, 0.3197



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.



63.4824, 0.3455, 0.3035



57.8734, 0.3540, 0.2983



65.1383, 0.3645, 0.3358



18.1046, 0.3233, 0.3197



11.6130, 0.5422, 0.2760



1.1514, 0.5117, 0.2593

Inverse Universe

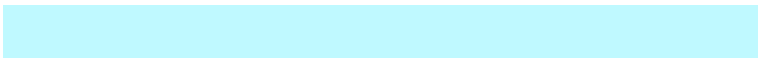
The Inverse Universe completely reimagines the original color for something new.



63.4824, 0.3455, 0.3035



57.8734, 0.3540, 0.2983



85.7982, 0.2751, 0.3221



18.1046, 0.3233, 0.3197



11.6130, 0.5422, 0.2760



1.1514, 0.5117, 0.2593

Previews

White Background



This preview shows how the Yxy color 63.4795, 0.3455, 0.3035 looks on a white background.

Color Contrast Check

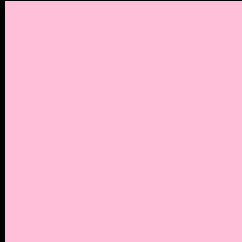
Large Text (above 18pt) WCAG AA × Fail

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 63.4795, 0.3455, 0.3035 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 63.4795, 0.3455, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 63.4795, 0.3455, 0.3035.



This preview shows how white text looks on a background with the Yxy color 63.4795, 0.3455, 0.3035.

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

63.4795, 0.3455, 0.3035

Protanopia

64.0126, 0.3005, 0.3087

Deuteranopia

63.8978, 0.3233, 0.3170



Tritanopia

63.2751, 0.3518, 0.3136

Trichromacy



Original Color

63.4795, 0.3455, 0.3035

Protanomaly

63.5225, 0.3160, 0.3072

Deuteranomaly

63.7577, 0.3308, 0.3119

Tritanomaly

63.4232, 0.3494, 0.3105

Monochromacy



Original Color

63.4795, 0.3455, 0.3035

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.0117, 0.3239, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4795, 0.3455, 0.3035 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(255, 191, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 216)  
}
```

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(255, 191, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 216) }
```

Border

The CSS property to change the border of an element to Yxy 63.4795, 0.3455, 0.3035 is called "border". The border property can be set on classes, ids or directly on the HTML element.

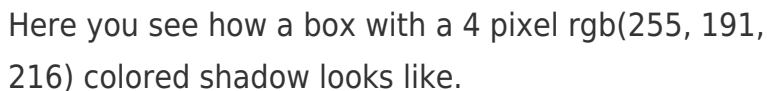
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 191, 216) }
```

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

```
.border{ border-color:rgb(255, 191, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 191, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 191, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 191, 216); box-shadow:4px 4px 4px 4px rgb(255, 191, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4795, 0.3455, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 216) }
```

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

```
.background{ background-color: rgb(255,  
191, 216) }
```

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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