

Converting Colors

$Y_{xy}(100.0000, 0.3857, 0.3169)$

Have a look what the booklet for
Yxy(100.0000, 0.3857, 0.3169)
contains.

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Color

Yxy(80.2084, 0.3254, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	FFDFEE
RGB	255, 223, 238
RGB Percent	100%, 87%, 93%
CMY	0.0000, 0.1255, 0.0666
CMYK	0.00, 0.13, 0.07, 0.00
HSL	332°, 100%, 94%
HSV	332°, 13%, 100%
XYZ	83.0675, 80.2084, 92.0023
YIQ	234.2780, 14.2570, 11.4490

Conversions

Conversions Part 2

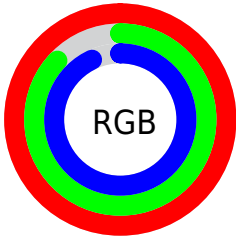
Format	Color
R_{YB}	255, 223, 238
Decimal	16769006
CIE _{Lab}	91.78, 13.48, -3.25
CIE _{LCh}	92, 13.869, 346.430
Yxy	80.2084, 0.3254, 0.3142
Android (android.graphics.Color)	4294959086 (0xFFFFDFEE)
YUV	234.2780, 1.8349, 18.1732
Hunter-Lab	89.5591, 8.8331, 1.7840

Details

The Yxy color **80.2084, 0.3254, 0.3142** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.4978, 0.3016, 0.3443**, and the grayscale version is **82.4776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3884, 0.3282, 0.3114** is the 20% darker color. If you saturate the color by 10%, you get **66.8265, 0.3379, 0.3017**, and if you desaturate by 10%, it is **95.7006, 0.3150, 0.3261**.

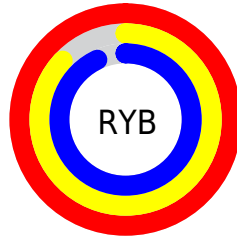
Distribution



Red (100%)

Green (87%)

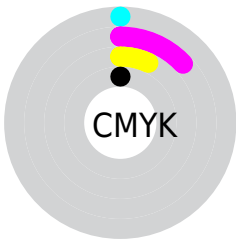
Blue (93%)



Red (100%)

Yellow (87%)

Blue (93%)

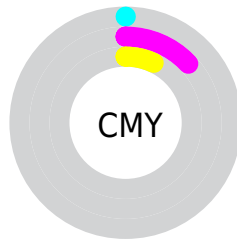


Cyan (0%)

Magenta (13%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2084, 0.3254, 0.3142 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 80.2084, 0.3254, 0.3142 by changing the saturation by 10% instead.


 80.2084, 0.3254,
0.3142

 80.2084, 0.3254,
0.3142

495.6349, 0.3197,
0.3209

 59.8899, 0.3267,
0.3127

133.6587, 0.3234,
0.3165

 43.3299, 0.3282,
0.3109


167.5592, 0.3227,
0.3174

 30.1440, 0.3302,
0.3087


206.7559, 0.3220,
0.3181

 19.9479, 0.3327,
0.3058

251.6331, 0.3214,
0.3188

 12.3572, 0.3361,
0.3019

302.5752, 0.3209,
0.3194

 6.9874, 0.3409,
0.2965

359.9666, 0.3204,

 3.4542, 0.3480,

0.3200

0.2884

424.1917, 0.3200,
0.3204

■ 1.3732, 0.3601,
0.2751

■ 0.1969, 0.4470,
0.1705

■ 80.2084, 0.3254,
0.3142

■ 80.2084, 0.3254,
0.3142

■ 66.8265, 0.3379,
0.3017

■ 95.7006, 0.3150,
0.3261

■ 55.4644, 0.3529,
0.2890

100.0000, 0.3127,
0.3290

■ 46.0215, 0.3708,
0.2765

■ 38.3896, 0.3917,
0.2651

■ 32.4495, 0.4153,
0.2559

■ 28.0677, 0.4412,
0.2502

■ 25.0901, 0.4682,
0.2492

■ 23.3303, 0.4947,
0.2537

■ 22.6077, 0.5134,
0.2602

Harmonies

Analogous

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



80.2084, 0.3091, 0.3050



80.2084, 0.3254, 0.3142



80.2084, 0.3385, 0.3272

Triad

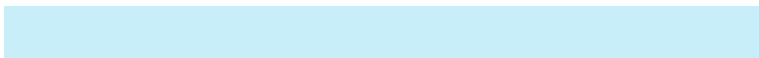
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2084, 0.3254, 0.3142



80.2084, 0.3312, 0.3574



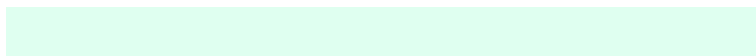
80.2084, 0.2819, 0.3156

Complementary

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



80.2084, 0.3254, 0.3142



93.4978, 0.3016, 0.3443

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.



80.2084, 0.2875, 0.3300



80.2084, 0.3254, 0.3142



80.2084, 0.3157, 0.3547

Square

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



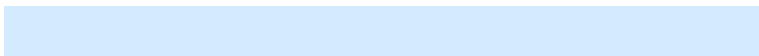
80.2084, 0.3254, 0.3142



80.2084, 0.3419, 0.3522



80.2084, 0.2998, 0.3445



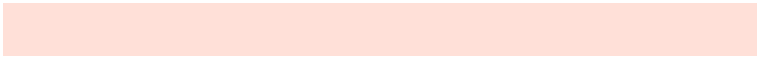
80.2084, 0.2842, 0.3054

Rectangle

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



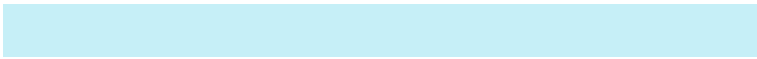
80.2084, 0.3254, 0.3142



80.2084, 0.3435, 0.3366



80.2084, 0.2998, 0.3445



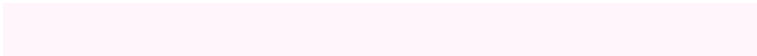
80.2084, 0.2829, 0.3201

Sweetspot

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



80.2077, 0.3254, 0.3142



93.3201, 0.3164, 0.3244



78.4373, 0.3036, 0.2969



19.7138, 0.3172, 0.3235



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

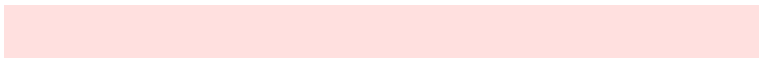
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2077, 0.3254, 0.3142



76.7377, 0.3282, 0.3112



79.6468, 0.3356, 0.3296



18.1290, 0.3220, 0.3179



11.8426, 0.5095, 0.2580



1.1749, 0.4824, 0.2431

Inverse Universe

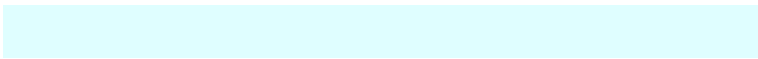
The Inverse Universe completely reimagines the original color for something new.



80.2077, 0.3254, 0.3142



76.7377, 0.3282, 0.3112



94.0877, 0.2934, 0.3284



18.1290, 0.3220, 0.3179



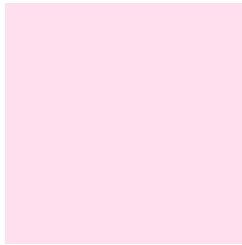
11.8426, 0.5095, 0.2580



1.1749, 0.4824, 0.2431

Previews

White Background



This preview shows how the Yxy color 80.2084, 0.3254, 0.3142 looks on a white background.

Color Contrast Check

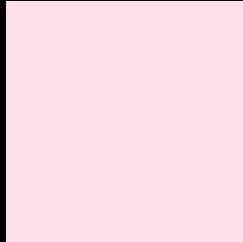
Large Text (above 18pt) WCAG AA × Fail

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 80.2084, 0.3254, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

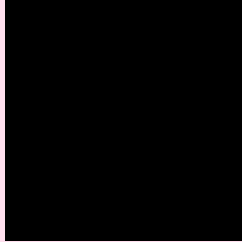
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2084, 0.3254, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 80.2084, 0.3254, 0.3142.

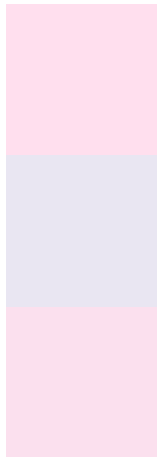


This preview shows how white text looks on a background with the Yxy color 80.2084, 0.3254, 0.3142.

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

80.2084, 0.3254, 0.3142

Protanopia

80.3281, 0.3072, 0.3167

Deuteranopia

79.9936, 0.3225, 0.3151



Tritanopia

80.3266, 0.3240, 0.3123

Trichromacy



Original Color

80.2084, 0.3254, 0.3142

Protanomaly

79.9898, 0.3134, 0.3148

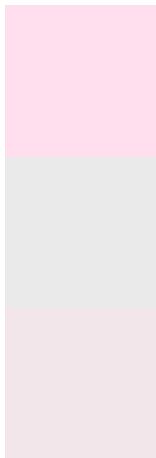
Deuteranomaly

80.1798, 0.3232, 0.3151

Tritanomaly

80.2673, 0.3247, 0.3132

Monochromacy



Original Color

80.2084, 0.3254, 0.3142

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.4690, 0.3177, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2084, 0.3254, 0.3142 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, 223, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 238)  
}
```

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, 223, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 238) }
```

Border

The CSS property to change the border of an element to Yxy 80.2084, 0.3254, 0.3142 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, 223, 238) }
```

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

```
.border{ border-color:rgb(255, 223, 238) }
```

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

Here you see how a box with a 4 pixel rgb(255, 223, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2084, 0.3254, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 238) }
```

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

```
.background{ background-color: rgb(255,  
223, 238) }
```

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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