

Converting Colors

$Y_{xy}(84.7031, 0.3234, 0.3202)$

Have a look what the booklet for
Yxy(84.7031, 0.3234, 0.3202)
contains.

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Color

Yxy(84.7031, 0.3234, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7F0
RGB	255, 231, 240
RGB Percent	100%, 91%, 94%
CMY	0.0000, 0.0941, 0.0588
CMYK	0.00, 0.09, 0.06, 0.00
HSL	337°, 100%, 95%
HSV	337°, 9%, 100%
XYZ	85.5496, 84.7031, 94.2792
YIQ	239.2020, 11.4150, 7.8870

Conversions

Conversions Part 2

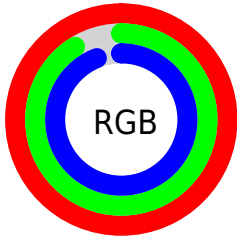
Format	Color
R_{YB}	255, 231, 240
Decimal	16771056
CIE _{Lab}	93.76, 9.68, -1.39
CIE _{LCh}	94, 9.776, 351.808
Yxy	84.7031, 0.3234, 0.3202
Android (android.graphics.Color)	4294961136 (0xFFFFE7F0)
YUV	239.2020, 0.3934, 13.8548
Hunter-Lab	92.0343, 4.8630, 3.6878

Details

The Yxy color **84.7031, 0.3234, 0.3202** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.1624, 0.3031, 0.3380**, and the grayscale version is **86.4712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1264, 0.3257, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **70.5474, 0.3372, 0.3103**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

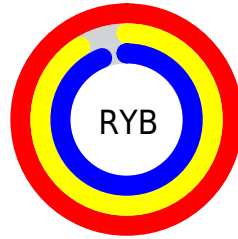
Distribution



Red (100%)

Green (91%)

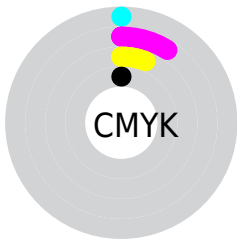
Blue (94%)



Red (100%)

Yellow (91%)

Blue (94%)

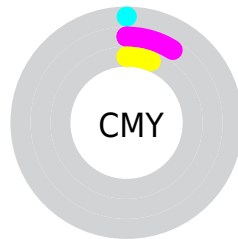


Cyan (0%)

Magenta (9%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7031, 0.3234, 0.3202 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 84.7031, 0.3234, 0.3202 by changing the saturation by 10% instead.


 84.7031, 0.3234,
0.3202

 84.7031, 0.3234,
0.3202


510.6451, 0.3186,
0.3242

 63.5961, 0.3245,
0.3193

139.9583, 0.3218,
0.3215

 46.3236, 0.3258,
0.3183


174.8753, 0.3211,
0.3221

 32.5013, 0.3274,
0.3169


215.1643, 0.3206,
0.3225

 21.7447, 0.3295,
0.3152

261.2099, 0.3201,
0.3229

 13.6694, 0.3323,
0.3130

313.3964, 0.3196,
0.3233

 7.8911, 0.3362,
0.3098

372.1081, 0.3193,

 4.0253, 0.3420,

0.3236

0.3051

437.7296, 0.3189,
0.3239

■ 1.6877, 0.3516,
0.2974

■ 0.4157, 0.3953,
0.2603

■ 84.7031, 0.3234,
0.3202

■ 84.7031, 0.3234,
0.3202

■ 70.5474, 0.3372,
0.3103

100.0000, 0.3127,
0.3290

■ 58.4628, 0.3540,
0.3001

■ 48.3510, 0.3742,
0.2899

■ 40.1054, 0.3982,
0.2804

■ 33.6098, 0.4261,
0.2727

■ 28.7344, 0.4571,
0.2679

■ 25.3315, 0.4898,
0.2673

■ 23.2255, 0.5219,
0.2719

■ 22.1480, 0.5511,
0.2813

Harmonies

Analogous

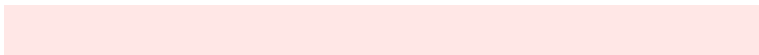
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7031, 0.3123, 0.3131



84.7031, 0.3234, 0.3202



84.7031, 0.3317, 0.3296

Triad

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



84.7031, 0.3234, 0.3202



84.7031, 0.3238, 0.3486



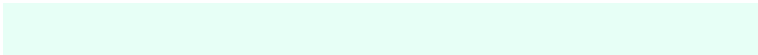
84.7031, 0.2911, 0.3183

Complementary

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



84.7031, 0.3234, 0.3202



95.1624, 0.3031, 0.3380

Split Complementary

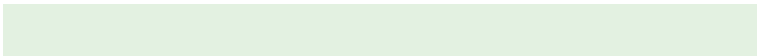
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7031, 0.2941, 0.3279



84.7031, 0.3234, 0.3202



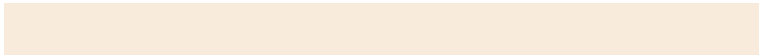
84.7031, 0.3128, 0.3457

Square

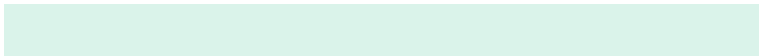
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



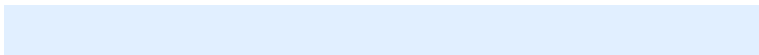
84.7031, 0.3234, 0.3202



84.7031, 0.3319, 0.3461



84.7031, 0.3020, 0.3380



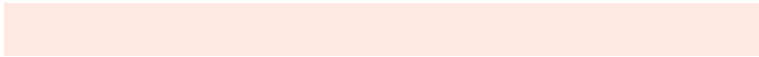
84.7031, 0.2938, 0.3119

Rectangle

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



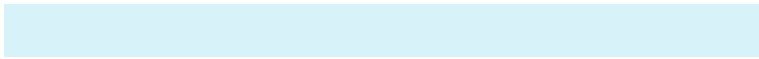
84.7031, 0.3234, 0.3202



84.7031, 0.3345, 0.3361



84.7031, 0.3020, 0.3380



84.7031, 0.2915, 0.3213

Sweetspot

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



84.7028, 0.3234, 0.3202



94.9117, 0.3159, 0.3263



83.9280, 0.3077, 0.3054



20.0312, 0.3168, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

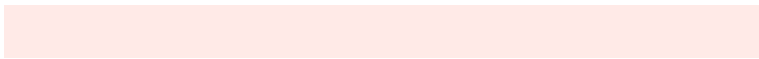
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7028, 0.3234, 0.3202



82.3129, 0.3254, 0.3187



85.7609, 0.3290, 0.3318



18.0998, 0.3235, 0.3201



11.5733, 0.5485, 0.2795



1.1472, 0.5175, 0.2625

Inverse Universe

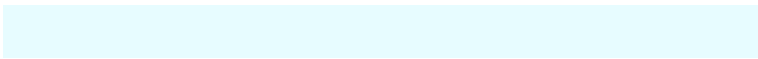
The Inverse Universe completely reimagines the original color for something new.



84.7028, 0.3234, 0.3202



82.3129, 0.3254, 0.3187



93.9552, 0.2981, 0.3262



18.0998, 0.3235, 0.3201



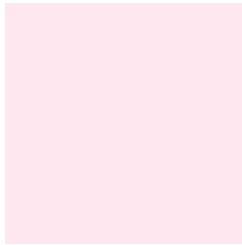
11.5733, 0.5485, 0.2795



1.1472, 0.5175, 0.2625

Previews

White Background



This preview shows how the Yxy color 84.7031, 0.3234, 0.3202 looks on a white background.

Color Contrast Check

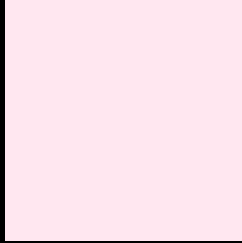
Large Text (above 18pt) WCAG AA × Fail

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 84.7031, 0.3234, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

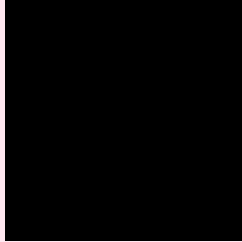
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7031, 0.3234, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 84.7031, 0.3234, 0.3202.

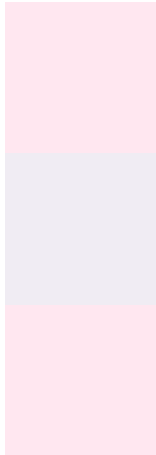


This preview shows how white text looks on a background with the Yxy color 84.7031, 0.3234, 0.3202.

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

84.7031, 0.3234, 0.3202

Protanopia

84.9872, 0.3111, 0.3220

Deuteranopia

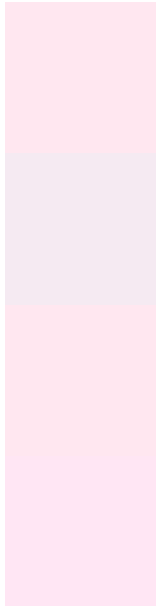
84.7031, 0.3234, 0.3202



Tritanopia

84.5690, 0.3189, 0.3125

Trichromacy



Original Color

84.7031, 0.3234, 0.3202

Protanomaly

84.6689, 0.3151, 0.3210

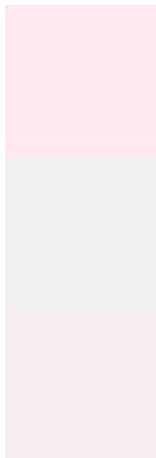
Deuteranomaly

84.7031, 0.3234, 0.3202

Tritanomaly

84.3853, 0.3209, 0.3153

Monochromacy



Original Color

84.7031, 0.3234, 0.3202

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.6354, 0.3169, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7031, 0.3234, 0.3202 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, 231, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 240)  
}
```

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, 231, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 240) }
```

Border

The CSS property to change the border of an element to Yxy 84.7031, 0.3234, 0.3202 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, 231, 240) }
```

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

```
.border{ border-color:rgb(255, 231, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7031, 0.3234, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 240) }
```

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

```
.background{ background-color: rgb(255,  
231, 240) }
```

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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