

Converting Colors

$Y_{xy}(72.8240, 0.3298, 0.3046)$

Have a look what the booklet for
Yxy(72.8240, 0.3298, 0.3046)
contains.

Yxy(72.8014, 0.3295, 0.3041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.8014, 0.3295, 0.3041)

Conversions

Conversions Part 1

Format	Color
Hex	FFD1EA
RGB	255, 209, 234
RGB Percent	100%, 82%, 92%
CMY	0.0001, 0.1803, 0.0825
CMYK	0.00, 0.18, 0.08, 0.00
HSL	327°, 100%, 91%
HSV	327°, 18%, 100%
XYZ	78.8821, 72.8014, 87.7160
YIQ	225.6040, 19.3910, 17.5270

Conversions

Conversions Part 2

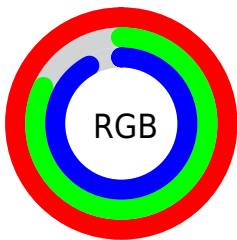
Format	Color
R _Y B	255, 209, 234
Decimal	16765418
CIE Lab	88.35, 20.08, -6.18
CIE LCh	88, 21.008, 342.901
Yxy	72.8014, 0.3295, 0.3041
Android (android.graphics.Color)	4294955498 (0xFFFFD1EA)
YUV	225.6040, 4.1392, 25.7803
Hunter-Lab	85.3237, 15.7075, -1.2257

Details

The Yxy color **72.8014, 0.3295, 0.3041** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.7780, 0.2988, 0.3553**, and the grayscale version is **75.7116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3313, 0.3338, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **60.6290, 0.3415, 0.2895**, and if you desaturate by 10%, it is **87.0265, 0.3195, 0.3182**.

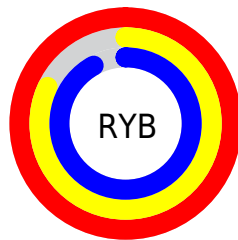
Distribution



Red (100%)

Green (82%)

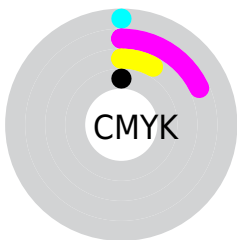
Blue (92%)



Red (100%)

Yellow (82%)

Blue (92%)

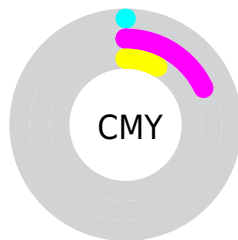


Cyan (0%)

Magenta (18%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8014, 0.3295, 0.3041 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 72.8014, 0.3295, 0.3041 by changing the saturation by 10% instead.


 72.8014, 0.3295,
0.3041

 72.8014, 0.3295,
0.3041

470.3262, 0.3219,
0.3154

 53.8136, 0.3312,
0.3016


123.1952, 0.3269,
0.3080

 38.4526, 0.3333,
0.2985


155.3700, 0.3258,
0.3095

 26.3342, 0.3360,
0.2946


192.7093, 0.3249,
0.3108

 17.0738, 0.3395,
0.2896

235.5974, 0.3242,
0.3120

 10.2871, 0.3441,
0.2829

284.4188, 0.3235,
0.3130

 5.5898, 0.3507,
0.2734

339.5577, 0.3229,

 2.5973, 0.3608,

0.3139

0.2592

401.3988, 0.3223,
0.3147

■ 0.9253, 0.3781,
0.2353

■ 0.0000, 0.5759,
0.0000

■ 72.8014, 0.3295,
0.3041

■ 72.8014, 0.3295,
0.3041

■ 60.6290, 0.3415,
0.2895

■ 87.0265, 0.3195,
0.3182

■ 50.4038, 0.3556,
0.2750

99.9957, 0.3127,
0.3290

■ 42.0253, 0.3721,
0.2612

■ 35.3803, 0.3908,
0.2492

■ 30.3428, 0.4115,
0.2400

■ 26.7697, 0.4335,
0.2352

■ 24.4919, 0.4558,
0.2355

■ 23.2809, 0.4773,
0.2412

■ 23.1039, 0.4816,
0.2426

Harmonies

Analogous

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



72.8014, 0.3038, 0.2910



72.8014, 0.3295, 0.3041



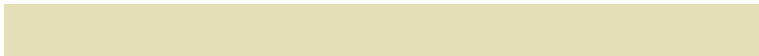
72.8014, 0.3513, 0.3234

Triad

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



72.8014, 0.3295, 0.3041



72.8014, 0.3438, 0.3733



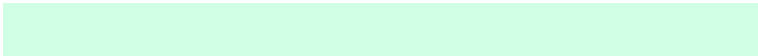
72.8014, 0.2654, 0.3100

Complementary

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



72.8014, 0.3295, 0.3041



90.7780, 0.2988, 0.3553

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.



72.8014, 0.2752, 0.3330



72.8014, 0.3295, 0.3041



72.8014, 0.3201, 0.3710

Square

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



72.8014, 0.3295, 0.3041



72.8014, 0.3596, 0.3632



72.8014, 0.2950, 0.3560



72.8014, 0.2676, 0.2935

Rectangle

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



72.8014, 0.3295, 0.3041



72.8014, 0.3602, 0.3377



72.8014, 0.2950, 0.3560



72.8014, 0.2674, 0.3172

Sweetspot

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



72.8046, 0.3295, 0.3041



91.7636, 0.3168, 0.3223



69.6018, 0.2969, 0.2816



19.4027, 0.3174, 0.3214



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.



72.8046, 0.3295, 0.3041



67.7383, 0.3340, 0.2983



71.5846, 0.3462, 0.3268



18.1521, 0.3209, 0.3162



12.1052, 0.4782, 0.2408



1.2007, 0.4553, 0.2282

Inverse Universe

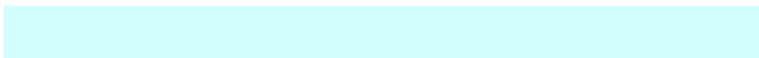
The Inverse Universe completely reimagines the original color for something new.



72.8046, 0.3295, 0.3041



67.7383, 0.3340, 0.2983



92.1351, 0.2867, 0.3313



18.1521, 0.3209, 0.3162



12.1052, 0.4782, 0.2408



1.2007, 0.4553, 0.2282

Previews

White Background



This preview shows how the Yxy color 72.8014, 0.3295, 0.3041 looks on a white background.

Color Contrast Check

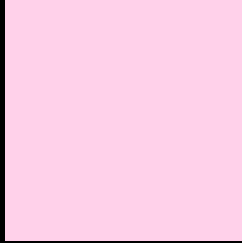
Large Text (above 18pt) WCAG AA × Fail

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 72.8014, 0.3295, 0.3041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

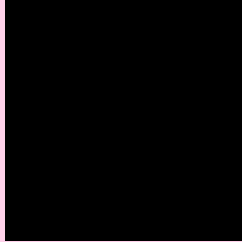
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8014, 0.3295, 0.3041

Background



This preview shows how black text looks on a background with the Yxy color 72.8014, 0.3295, 0.3041.



This preview shows how white text looks on a background with the Yxy color 72.8014, 0.3295, 0.3041.

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

72.8014, 0.3295, 0.3041

Protanopia

73.2794, 0.2992, 0.3077

Deuteranopia

72.8348, 0.3179, 0.3104



Tritanopia

72.7101, 0.3337, 0.3119

Trichromacy



Original Color

72.8014, 0.3295, 0.3041

Protanomaly

73.1224, 0.3102, 0.3071

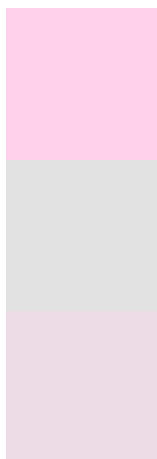
Deuteranomaly

72.8842, 0.3224, 0.3086

Tritanomaly

72.8772, 0.3315, 0.3089

Monochromacy



Original Color

72.8014, 0.3295, 0.3041

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

74.8481, 0.3189, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8014, 0.3295, 0.3041 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, 209, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 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(255, 209, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 234) }
```

Border

The CSS property to change the border of an element to Yxy 72.8014, 0.3295, 0.3041 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, 209, 234) }
```

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

```
.border{ border-color:rgb(255, 209, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8014, 0.3295, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 234) }
```

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

```
.background{ background-color: rgb(255,  
209, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor