

Converting Colors

$Y_{xy}(70.7406, 0.3256, 0.2932)$

Have a look what the booklet for
Yxy(70.7406, 0.3256, 0.2932)
contains.

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Color

Yxy(70.7370, 0.3256, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCF0
RGB	255, 204, 240
RGB Percent	100%, 80%, 94%
CMY	0.0001, 0.1999, 0.0587
CMYK	0.00, 0.20, 0.06, 0.00
HSL	318°, 100%, 90%
HSV	318°, 20%, 100%
XYZ	78.5538, 70.7370, 91.9678
YIQ	223.3530, 18.8400, 22.0080

Conversions

Conversions Part 2

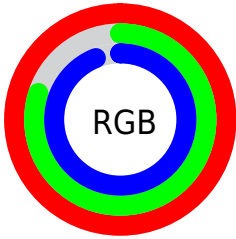
Format	Color
R _{YB}	255, 204, 240
Decimal	16764144
CIE _{Lab}	87.36, 23.72, -10.85
CIE _{LCh}	87, 26.084, 335.412
Yxy	70.7370, 0.3256, 0.2932
Android (android.graphics.Color)	4294954224 (0xFFFFCCF0)
YUV	223.3530, 8.2070, 27.7544
Hunter-Lab	84.1053, 19.5335, -5.9589

Details

The Yxy color $70.7370, 0.3256, 0.2932$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.4503, 0.3019, 0.3677$, and the grayscale version is $73.9873, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.2792, 0.3286, 0.2859$ is the 20% darker color. If you saturate the color by 10%, you get $59.1591, 0.3337, 0.2746$, and if you desaturate by 10%, it is $84.3234, 0.3186, 0.3115$.

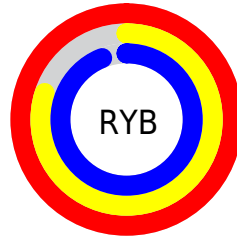
Distribution



Red (100%)

Green (80%)

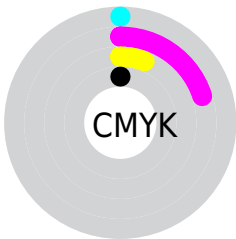
Blue (94%)



Red (100%)

Yellow (80%)

Blue (94%)

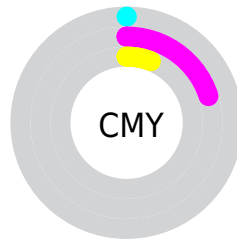


Cyan (0%)

Magenta (20%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7370, 0.3256, 0.2932 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 70.7370, 0.3256, 0.2932 by changing the saturation by 10% instead.


 70.7370, 0.3256,
0.2932

 70.7370, 0.3256,
0.2932


463.1335, 0.3198,
0.3093

 52.1276, 0.3269,
0.2896

120.2592, 0.3236,
0.2987

 37.1068, 0.3284,
0.2852


151.9407, 0.3229,
0.3009

 25.2902, 0.3303,
0.2797


188.7485, 0.3222,
0.3028

 16.2934, 0.3328,
0.2727

231.0668, 0.3216,
0.3044

 9.7320, 0.3360,
0.2633

279.2800, 0.3211,
0.3059

 5.2216, 0.3404,
0.2503

333.7726, 0.3206,

 2.3779, 0.3469,

0.3072

0.2309

394.9290, 0.3202,
0.3083

0.8145, 0.3573,
0.1988

0.0000, 0.4060,
0.0000

70.7370, 0.3256,
0.2932

70.7370, 0.3256,
0.2932

59.1591, 0.3337,
0.2746

84.3234, 0.3186,
0.3115

49.4838, 0.3430,
0.2563

99.9921, 0.3127,
0.3290

41.6093, 0.3535,
0.2392

99.9935, 0.3127,
0.3290

35.4209, 0.3650,
0.2243

■ 30.7906, 0.3772,
0.2128

■ 27.5715, 0.3897,
0.2055

■ 25.5889, 0.4022,
0.2033

■ 24.5577, 0.4142,
0.2056

■ 24.5562, 0.4143,
0.2056

Harmonies

Analogous

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



70.7370, 0.2937, 0.2795



70.7370, 0.3256, 0.2932



70.7370, 0.3553, 0.3154

Triad

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



70.7370, 0.3256, 0.2932



70.7370, 0.3577, 0.3826



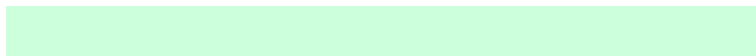
70.7370, 0.2556, 0.3114

Complementary

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



70.7370, 0.3256, 0.2932



89.4503, 0.3019, 0.3677

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.



70.7370, 0.2711, 0.3415



70.7370, 0.3256, 0.2932



70.7370, 0.3295, 0.3845

Square

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



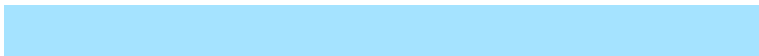
70.7370, 0.3256, 0.2932



70.7370, 0.3741, 0.3662



70.7370, 0.2978, 0.3692



70.7370, 0.2546, 0.2885

Rectangle

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



70.7370, 0.3256, 0.2932



70.7370, 0.3691, 0.3327



70.7370, 0.2978, 0.3692



70.7370, 0.2593, 0.3211

Sweetspot

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



70.7401, 0.3256, 0.2932



90.3380, 0.3161, 0.3186



65.3872, 0.2890, 0.2751



19.1209, 0.3165, 0.3174



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.



70.7401, 0.3256, 0.2932



65.8719, 0.3287, 0.2857



69.3567, 0.3442, 0.3178



18.2042, 0.3183, 0.3123



12.8625, 0.4124, 0.2045



1.2715, 0.3994, 0.1974

Inverse Universe

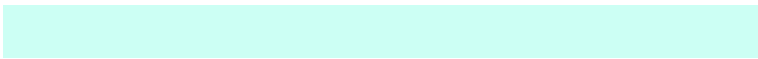
The Inverse Universe completely reimagines the original color for something new.



70.7401, 0.3256, 0.2932



65.8719, 0.3287, 0.2857



90.8651, 0.2885, 0.3405



18.2042, 0.3183, 0.3123



12.8625, 0.4124, 0.2045



1.2715, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 70.7370, 0.3256, 0.2932 looks on a white background.

Color Contrast Check

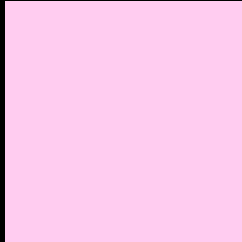
Large Text (above 18pt) WCAG AA × Fail

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 70.7370, 0.3256, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

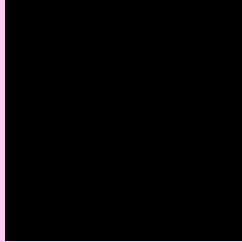
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7370, 0.3256, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 70.7370, 0.3256, 0.2932.



This preview shows how white text looks on a background with the Yxy color 70.7370, 0.3256, 0.2932.

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

70.7370, 0.3256, 0.2932

Protanopia

71.2785, 0.2902, 0.2959

Deuteranopia

70.9174, 0.3096, 0.3028



Tritanopia

70.8360, 0.3362, 0.3128

Trichromacy



Original Color

70.7370, 0.3256, 0.2932



Protanomaly

70.9003, 0.3022, 0.2946



Deuteranomaly

70.8504, 0.3148, 0.2992



Tritanomaly

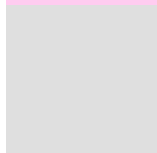
70.8706, 0.3327, 0.3059

Monochromacy



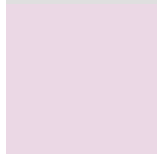
Original Color

70.7370, 0.3256, 0.2932



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

72.4310, 0.3177, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7370, 0.3256, 0.2932 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, 204, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 240) }
```

Border

The CSS property to change the border of an element to Yxy 70.7370, 0.3256, 0.2932 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, 204, 240) }
```

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

```
.border{ border-color:rgb(255, 204, 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, 204, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7370, 0.3256, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 240) }
```

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

```
.background{ background-color: rgb(255,  
204, 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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