

Converting Colors

$Y_{xy}(77.1968, 0.3205, 0.2999)$

Have a look what the booklet for
Yxy(77.1968, 0.3205, 0.2999)
contains.

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Color

Yxy(77.0256, 0.3205, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	FFD8F6
RGB	255, 216, 246
RGB Percent	100%, 85%, 96%
CMY	0.0001, 0.1529, 0.0352
CMYK	0.00, 0.15, 0.04, 0.00
HSL	314°, 100%, 92%
HSV	314°, 15%, 100%
XYZ	82.4264, 77.0256, 97.7286
YIQ	231.0810, 13.6140, 17.5980

Conversions

Conversions Part 2

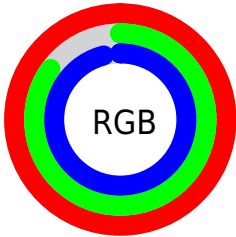
Format	Color
R _{YB}	255, 216, 246
Decimal	16767222
CIE Lab	90.33, 18.48, -9.59
CIE LCh	90, 20.817, 332.571
Yxy	77.0256, 0.3205, 0.2995
Android (android.graphics.Color)	4294957302 (0xFFFFD8F6)
YUV	231.0810, 7.3551, 20.9770
Hunter-Lab	87.7642, 14.0562, -4.5866

Details

The Yxy color $77.0256, 0.3205, 0.2995$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $91.5408, 0.3058, 0.3604$, and the grayscale version is $79.9126, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.2132, 0.3219, 0.2927$ is the 20% darker color. If you saturate the color by 10%, you get $64.6069, 0.3266, 0.2795$, and if you desaturate by 10%, it is $91.4895, 0.3152, 0.3190$.

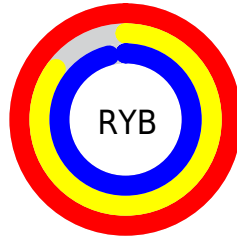
Distribution



Red (100%)

Green (85%)

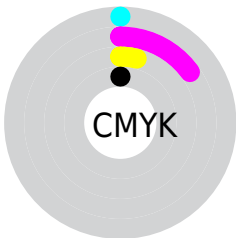
Blue (96%)



Red (100%)

Yellow (85%)

Blue (96%)

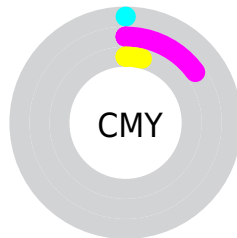


Cyan (0%)

Magenta (15%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0256, 0.3205, 0.2995 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 77.0256, 0.3205, 0.2995 by changing the saturation by 10% instead.


 77.0256, 0.3205,
0.2995

 77.0256, 0.3205,
0.2995


484.8513, 0.3171,
0.3127

 57.2739, 0.3212,
0.2966

129.1756, 0.3194,
0.3040

 41.2252, 0.3221,
0.2931


162.3427, 0.3189,
0.3058

 28.4951, 0.3232,
0.2887

200.7504, 0.3185,
0.3073

 18.6992, 0.3246,
0.2830

244.7830, 0.3181,
0.3086

 11.4531, 0.3264,
0.2756

294.8251, 0.3178,
0.3098

 6.3725, 0.3288,
0.2653

351.2609, 0.3176,

 3.0729, 0.3322,

0.3109

0.2502

414.4748, 0.3173,
0.3118

■ 1.1699, 0.3374,
0.2258

■ 0.0369, 0.3941,
0.0299

■ 77.0256, 0.3205,
0.2995

■ 77.0256, 0.3205,
0.2995

■ 64.6069, 0.3266,
0.2795

■ 91.4895, 0.3152,
0.3190

■ 54.1300, 0.3336,
0.2595

99.9957, 0.3127,
0.3290

■ 45.4977, 0.3415,
0.2405

■ 38.6004, 0.3500,
0.2233

■ 33.3168, 0.3591,
0.2090

■ 29.5098, 0.3684,
0.1986

■ 27.0198, 0.3777,
0.1928

■ 25.6495, 0.3866,
0.1919

■ 25.2584, 0.3908,
0.1926

Harmonies

Analogous

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



77.0256, 0.2958, 0.2895



77.0256, 0.3205, 0.2995



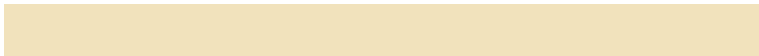
77.0256, 0.3438, 0.3166

Triad

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



77.0256, 0.3205, 0.2995



77.0256, 0.3494, 0.3699



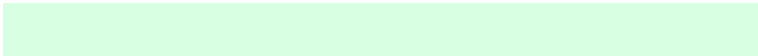
77.0256, 0.2687, 0.3178

Complementary

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



77.0256, 0.3205, 0.2995



91.5408, 0.3058, 0.3604

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.



77.0256, 0.2820, 0.3410



77.0256, 0.3205, 0.2995



77.0256, 0.3283, 0.3721

Square

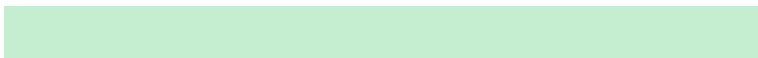
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



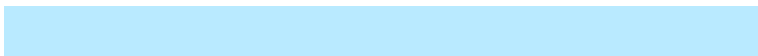
77.0256, 0.3205, 0.2995



77.0256, 0.3608, 0.3568



77.0256, 0.3036, 0.3614



77.0256, 0.2667, 0.2990

Rectangle

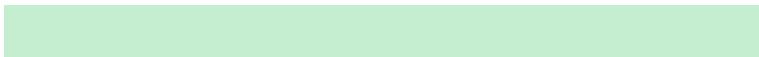
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0256, 0.3205, 0.2995



77.0256, 0.3551, 0.3303



77.0256, 0.3036, 0.3614



77.0256, 0.2720, 0.3254

Sweetspot

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



77.0290, 0.3205, 0.2995



91.9459, 0.3151, 0.3196



72.2567, 0.2935, 0.2886



19.4471, 0.3154, 0.3182



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.



77.0290, 0.3205, 0.2995



73.4691, 0.3221, 0.2941



75.9227, 0.3337, 0.3180



18.2247, 0.3173, 0.3109



13.2247, 0.3894, 0.1919



1.3042, 0.3799, 0.1867

Inverse Universe

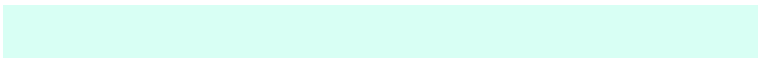
The Inverse Universe completely reimagines the original color for something new.



77.0290, 0.3205, 0.2995



73.4691, 0.3221, 0.2941



92.6342, 0.2953, 0.3403



18.2247, 0.3173, 0.3109



13.2247, 0.3894, 0.1919



1.3042, 0.3799, 0.1867

Previews

White Background



This preview shows how the Yxy color 77.0256, 0.3205, 0.2995 looks on a white background.

Color Contrast Check

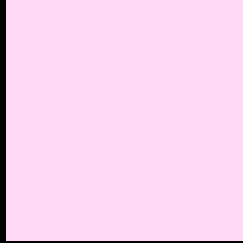
Large Text (above 18pt) WCAG AA × Fail

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 77.0256, 0.3205, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

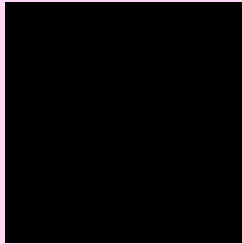
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.0256, 0.3205, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 77.0256, 0.3205, 0.2995.



This preview shows how white text looks on a background with the Yxy color 77.0256, 0.3205, 0.2995.

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

77.0256, 0.3205, 0.2995

Protanopia

77.2683, 0.2952, 0.3021

Deuteranopia

77.1827, 0.3118, 0.3048



Tritanopia

77.0236, 0.3265, 0.3121

Trichromacy



Original Color

77.0256, 0.3205, 0.2995

Protanomaly

76.8068, 0.3037, 0.3005

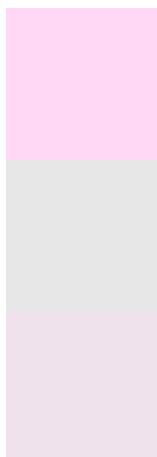
Deuteranomaly

77.0298, 0.3153, 0.3030

Tritanomaly

76.9285, 0.3245, 0.3072

Monochromacy



Original Color

77.0256, 0.3205, 0.2995

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

78.9741, 0.3160, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0256, 0.3205, 0.2995 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, 216, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 246)  
}
```

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, 216, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 246) }
```

Border

The CSS property to change the border of an element to Yxy 77.0256, 0.3205, 0.2995 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, 216, 246) }
```

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

```
.border{ border-color:rgb(255, 216, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0256, 0.3205, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 246) }
```

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

```
.background{ background-color: rgb(255,  
216, 246) }
```

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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