

Converting Colors

$Y_{xy}(77.7821, 0.3191, 0.2988)$

Have a look what the booklet for
Yxy(77.7821, 0.3191, 0.2988)
contains.

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Color

Yxy(77.6630, 0.3191, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	FFD9F8
RGB	255, 217, 248
RGB Percent	100%, 85%, 97%
CMY	0.0000, 0.1490, 0.0274
CMYK	0.00, 0.15, 0.03, 0.00
HSL	311°, 100%, 93%
HSV	311°, 15%, 100%
XYZ	82.9949, 77.6630, 99.4326
YIQ	231.8960, 12.6970, 17.6970

Conversions

Conversions Part 2

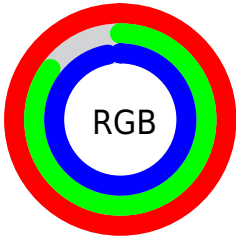
Format	Color
R_{YB}	255, 217, 248
Decimal	16767480
CIE Lab	90.63, 18.31, -10.20
CIE LCh	91, 20.959, 330.879
Yxy	77.6630, 0.3191, 0.2986
Android (android.graphics.Color)	4294957560 (0xFFFFD9F8)
YUV	231.8960, 7.9393, 20.2622
Hunter-Lab	88.1266, 13.8841, -5.2078

Details

The Yxy color $77.6630, 0.3191, 0.2986$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $91.6487, 0.3069, 0.3614$, and the grayscale version is $80.5486, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.6522, 0.3200, 0.2915$ is the 20% darker color. If you saturate the color by 10%, you get $65.2333, 0.3242, 0.2775$, and if you desaturate by 10%, it is $92.1376, 0.3147, 0.3192$.

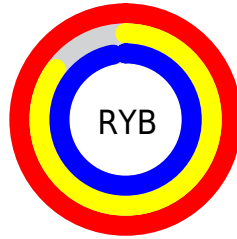
Distribution



Red (100%)

Green (85%)

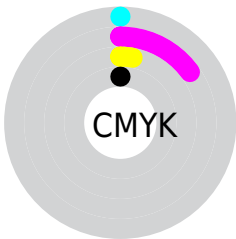
Blue (97%)



Red (100%)

Yellow (85%)

Blue (97%)

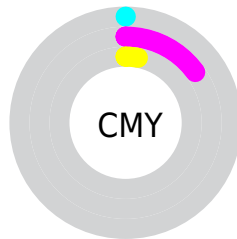


Cyan (0%)

Magenta (15%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6630, 0.3191, 0.2986 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 77.6630, 0.3191, 0.2986 by changing the saturation by 10% instead.

 77.6630, 0.3191,
0.2986

 77.6630, 0.3191,
0.2986


487.0216, 0.3163,
0.3122

 57.7972, 0.3197,
0.2956

130.0750, 0.3182,
0.3032

 41.6456, 0.3204,
0.2920


163.3899, 0.3178,
0.3050

 28.8239, 0.3213,
0.2875


201.9566, 0.3175,
0.3066

 18.9476, 0.3223,
0.2817

246.1596, 0.3172,
0.3080

 11.6325, 0.3237,
0.2741

296.3832, 0.3170,
0.3092

 6.4939, 0.3255,
0.2637

353.0118, 0.3167,

 3.1477, 0.3280,

0.3103

0.2483

416.4298, 0.3165,
0.3113

■ 1.2093, 0.3315,
0.2237

■ 0.0693, 0.3741,
0.0506

■ 77.6630, 0.3191,
0.2986

■ 77.6630, 0.3191,
0.2986

■ 65.2333, 0.3242,
0.2775

■ 92.1376, 0.3147,
0.3192

■ 54.7453, 0.3299,
0.2566

99.9984, 0.3127,
0.3290

■ 46.1023, 0.3363,
0.2366

■ 39.1949, 0.3431,
0.2185

■ 33.9025, 0.3503,
0.2034

■ 30.0889, 0.3575,
0.1922

■ 27.5953, 0.3647,
0.1855

■ 26.2265, 0.3715,
0.1835

■ 25.8195, 0.3748,
0.1839

Harmonies

Analogous

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



77.6630, 0.2945, 0.2891



77.6630, 0.3191, 0.2986



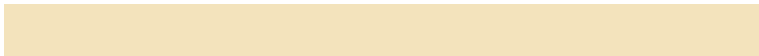
77.6630, 0.3428, 0.3155

Triad

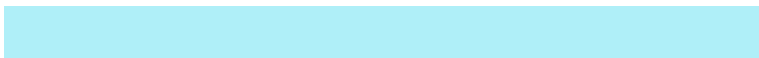
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6630, 0.3191, 0.2986



77.6630, 0.3505, 0.3696



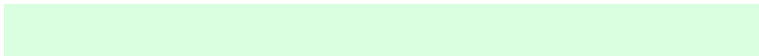
77.6630, 0.2690, 0.3190

Complementary

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



77.6630, 0.3191, 0.2986



91.6487, 0.3069, 0.3614

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.



77.6630, 0.2829, 0.3424



77.6630, 0.3191, 0.2986



77.6630, 0.3297, 0.3725

Square

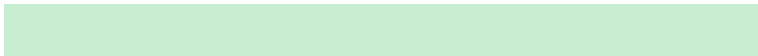
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6630, 0.3191, 0.2986



77.6630, 0.3613, 0.3559



77.6630, 0.3050, 0.3625



77.6630, 0.2663, 0.2997

Rectangle

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



77.6630, 0.3191, 0.2986



77.6630, 0.3545, 0.3291



77.6630, 0.3050, 0.3625



77.6630, 0.2725, 0.3267

Sweetspot

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



77.6664, 0.3191, 0.2986



93.5437, 0.3143, 0.3210



72.6921, 0.2932, 0.2896



19.7705, 0.3146, 0.3195



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.



77.6664, 0.3191, 0.2986



73.5987, 0.3206, 0.2921



76.5474, 0.3322, 0.3170



18.2397, 0.3166, 0.3098



13.5129, 0.3738, 0.1833



1.3299, 0.3666, 0.1793

Inverse Universe

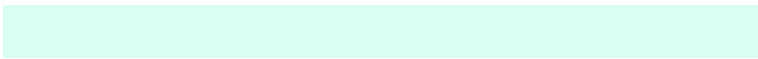
The Inverse Universe completely reimagines the original color for something new.



77.6664, 0.3191, 0.2986



73.5987, 0.3206, 0.2921



92.7364, 0.2965, 0.3413



18.2397, 0.3166, 0.3098



13.5129, 0.3738, 0.1833



1.3299, 0.3666, 0.1793

Previews

White Background



This preview shows how the Yxy color 77.6630, 0.3191, 0.2986 looks on a white background.

Color Contrast Check

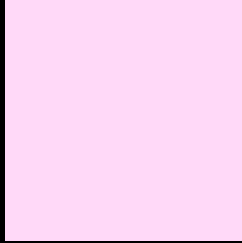
Large Text (above 18pt) WCAG AA × Fail

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 77.6630, 0.3191, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

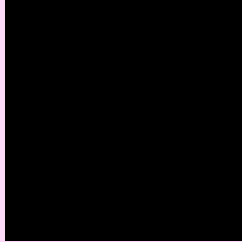
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6630, 0.3191, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 77.6630, 0.3191, 0.2986.

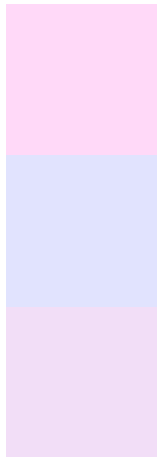


This preview shows how white text looks on a background with the Yxy color 77.6630, 0.3191, 0.2986.

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

77.6630, 0.3191, 0.2986

Protanopia

78.1015, 0.2946, 0.3012

Deuteranopia

77.8352, 0.3104, 0.3038



Tritanopia

77.6018, 0.3257, 0.3121

Trichromacy



Original Color

77.6630, 0.3191, 0.2986

Protanomaly

77.6365, 0.3031, 0.2996

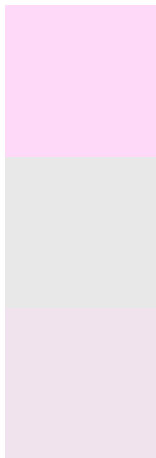
Deuteranomaly

77.6760, 0.3140, 0.3021

Tritanomaly

77.5049, 0.3237, 0.3072

Monochromacy



Original Color

77.6630, 0.3191, 0.2986

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

79.6365, 0.3146, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6630, 0.3191, 0.2986 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, 217, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 248)  
}
```

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, 217, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 248) }
```

Border

The CSS property to change the border of an element to Yxy 77.6630, 0.3191, 0.2986 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, 217, 248) }
```

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

```
.border{ border-color:rgb(255, 217, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6630, 0.3191, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 248) }
```

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

```
.background{ background-color: rgb(255,  
217, 248) }
```

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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