

Converting Colors

Yxy(80.4508, 0.3162, 0.2996)

Have a look what the booklet for
Yxy(80.4508, 0.3162, 0.2996)
contains.

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Color

Yxy(80.5308, 0.3162, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	FFDEFC
RGB	255, 222, 252
RGB Percent	100%, 87%, 99%
CMY	0.0000, 0.1294, 0.0118
CMYK	0.00, 0.13, 0.01, 0.00
HSL	305°, 100%, 94%
HSV	305°, 13%, 100%
XYZ	84.9361, 80.5308, 103.1482
YIQ	235.2870, 10.0380, 16.3260

Conversions

Conversions Part 2

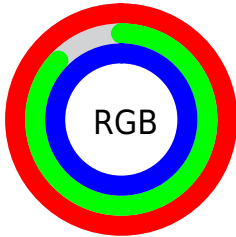
Format	Color
R_{YB}	255, 222, 252
Decimal	16768764
CIE _{Lab}	91.92, 16.42, -10.35
CIE _{LCh}	92, 19.409, 327.768
Yxy	80.5308, 0.3162, 0.2998
Android (android.graphics.Color)	4294958844 (0xFFFFDEFC)
YUV	235.2870, 8.2395, 17.2883
Hunter-Lab	89.7390, 11.9034, -5.3321

Details

The Yxy color $80.5308, 0.3162, 0.2998$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $92.4866, 0.3094, 0.3600$, and the grayscale version is $83.2356, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.5833, 0.3171, 0.2943$ is the 20% darker color. If you saturate the color by 10%, you get $67.8460, 0.3192, 0.2766$, and if you desaturate by 10%, it is $95.2634, 0.3135, 0.3225$.

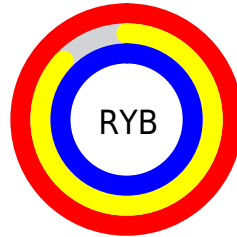
Distribution



Red (100%)

Green (87%)

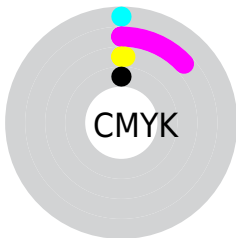
Blue (99%)



Red (100%)

Yellow (87%)

Blue (99%)

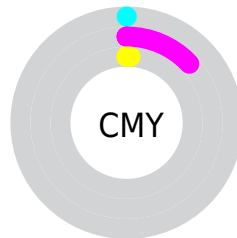


Cyan (0%)

Magenta (13%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (13%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5308, 0.3162, 0.2998 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 80.5308, 0.3162, 0.2998 by changing the saturation by 10% instead.

 80.5308, 0.3162,
0.2998

 80.5308, 0.3162,
0.2998


496.7199, 0.3148,
0.3128

 60.1552, 0.3165,
0.2970


134.1118, 0.3157,
0.3042

 43.5438, 0.3168,
0.2935

168.0859, 0.3155,
0.3059

 30.3120, 0.3172,
0.2893


207.3618, 0.3154,
0.3074

 20.0755, 0.3177,
0.2838

252.3237, 0.3152,
0.3088

 12.4500, 0.3183,
0.2767

303.3561, 0.3151,
0.3099

 7.0509, 0.3191,
0.2669

360.8433, 0.3150,

 3.4940, 0.3199,

0.3110

0.2526

425.1698, 0.3149,
0.3119

■ 1.3947, 0.3208,
0.2300

■ 0.2128, 0.3405,
0.1201

■ 80.5308, 0.3162,
0.2998

■ 80.5308, 0.3162,
0.2998

■ 67.8460, 0.3192,
0.2766

■ 95.2634, 0.3135,
0.3225

■ 57.1210, 0.3225,
0.2536

100.0000, 0.3127,
0.3290

■ 48.2559, 0.3261,
0.2317

■ 41.1434, 0.3298,
0.2117

■ 35.6655, 0.3335,
0.1948

■ 31.6892, 0.3372,
0.1817

■ 29.0612, 0.3406,
0.1730

■ 27.5951, 0.3438,
0.1688

■ 27.0688, 0.3458,
0.1679

Harmonies

Analogous

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



80.5308, 0.2939, 0.2919



80.5308, 0.3162, 0.2998



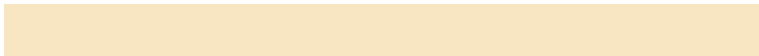
80.5308, 0.3382, 0.3148

Triad

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



80.5308, 0.3162, 0.2998



80.5308, 0.3489, 0.3653



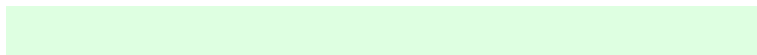
80.5308, 0.2735, 0.3221

Complementary

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



80.5308, 0.3162, 0.2998



92.4866, 0.3094, 0.3600

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.



80.5308, 0.2872, 0.3434



80.5308, 0.3162, 0.2998



80.5308, 0.3306, 0.3689

Square

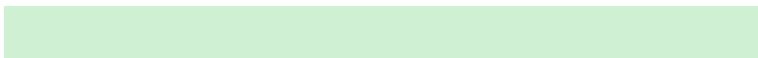
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5308, 0.3162, 0.2998



80.5308, 0.3574, 0.3520



80.5308, 0.3080, 0.3610



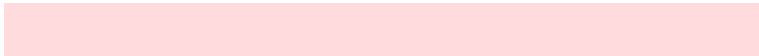
80.5308, 0.2699, 0.3038

Rectangle

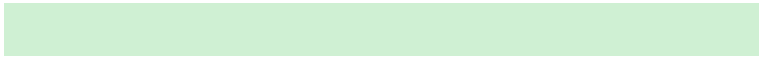
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5308, 0.3162, 0.2998



80.5308, 0.3495, 0.3272



80.5308, 0.3080, 0.3610



80.5308, 0.2771, 0.3292

Sweetspot

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



80.5296, 0.3162, 0.2998



93.6040, 0.3137, 0.3201



75.4297, 0.2938, 0.2949



19.7858, 0.3139, 0.3184



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.



80.5296, 0.3162, 0.2998



76.4366, 0.3171, 0.2927



79.5439, 0.3270, 0.3154



18.2701, 0.3152, 0.3077



14.1558, 0.3454, 0.1676



1.3863, 0.3423, 0.1659

Inverse Universe

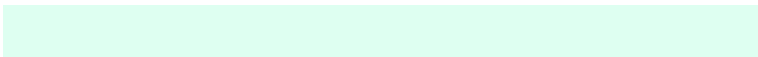
The Inverse Universe completely reimagines the original color for something new.



80.5296, 0.3162, 0.2998



76.4366, 0.3171, 0.2927



93.4153, 0.3003, 0.3430



18.2701, 0.3152, 0.3077



14.1558, 0.3454, 0.1676



1.3863, 0.3423, 0.1659

Previews

White Background



This preview shows how the Yxy color 80.5308, 0.3162, 0.2998 looks on a white background.

Color Contrast Check

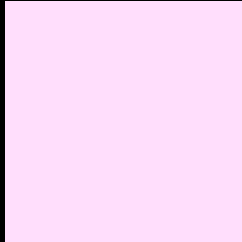
Large Text (above 18pt) WCAG AA × Fail

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 80.5308, 0.3162, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

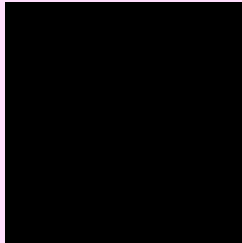
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5308, 0.3162, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 80.5308, 0.3162, 0.2998.



This preview shows how white text looks on a background with the Yxy color 80.5308, 0.3162, 0.2998.

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

80.5308, 0.3162, 0.2998

Protanopia

81.0298, 0.2967, 0.3046

Deuteranopia

80.4083, 0.3105, 0.3032



Tritanopia

80.5448, 0.3219, 0.3122

Trichromacy



Original Color

80.5308, 0.3162, 0.2998

Protanomaly

80.8197, 0.3032, 0.3029

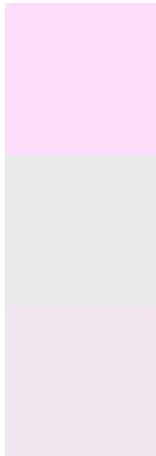
Deuteranomaly

80.4161, 0.3126, 0.3024

Tritanomaly

80.4388, 0.3200, 0.3074

Monochromacy



Original Color

80.5308, 0.3162, 0.2998

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

81.8217, 0.3139, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5308, 0.3162, 0.2998 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, 222, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 252)  
}
```

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, 222, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.5308, 0.3162, 0.2998 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, 222, 252) }
```

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

```
.border{ border-color:rgb(255, 222, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5308, 0.3162, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 252) }
```

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

```
.background{ background-color: rgb(255,  
222, 252) }
```

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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