

Converting Colors

$Y_{xy}(100.0000, 0.3896, 0.3153)$

Have a look what the booklet for
Yxy(100.0000, 0.3896, 0.3153)
contains.

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Color

Yxy(78.6194, 0.3257, 0.3112)

Conversions

Conversions Part 1

Format	Color
Hex	FFDCEE
RGB	255, 220, 238
RGB Percent	100%, 86%, 93%
CMY	0.0000, 0.1373, 0.0666
CMYK	0.00, 0.14, 0.07, 0.00
HSL	329°, 100%, 93%
HSV	329°, 14%, 100%
XYZ	82.2826, 78.6194, 91.7311
YIQ	232.5170, 15.0820, 13.0180

Conversions

Conversions Part 2

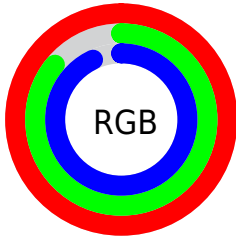
Format	Color
R _Y B	255, 220, 238
Decimal	16768238
CIE Lab	91.06, 15.06, -4.30
CIE LCh	91, 15.663, 344.052
Yxy	78.6194, 0.3257, 0.3112
Android (android.graphics.Color)	4294958318 (0xFFFFDCEE)
YUV	232.5170, 2.7031, 19.7176
Hunter-Lab	88.6676, 10.4778, 0.7288

Details

The Yxy color $78.6194, 0.3257, 0.3112$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $92.8462, 0.3015, 0.3475$, and the grayscale version is $81.0666, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.2934, 0.3286, 0.3075$ is the 20% darker color. If you saturate the color by 10%, you get $65.5301, 0.3374, 0.2975$, and if you desaturate by 10%, it is $93.7841, 0.3159, 0.3243$.

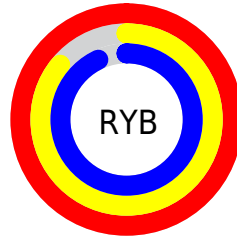
Distribution



Red (100%)

Green (86%)

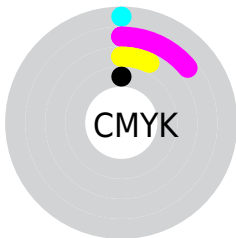
Blue (93%)



Red (100%)

Yellow (86%)

Blue (93%)

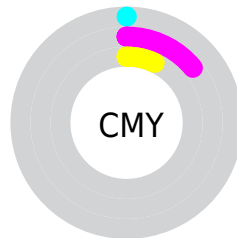


Cyan (0%)

Magenta (14%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6194, 0.3257, 0.3112 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 78.6194, 0.3257, 0.3112 by changing the saturation by 10% instead.

 78.6194, 0.3257,
0.3112

 78.6194, 0.3257,
0.3112


490.2678, 0.3198,
0.3192

 58.5829, 0.3270,
0.3094


131.4229, 0.3237,
0.3139

 42.2775, 0.3286,
0.3072


164.9588, 0.3229,
0.3150

 29.3186, 0.3306,
0.3045

203.7632, 0.3222,
0.3160

 19.3220, 0.3332,
0.3010

248.2206, 0.3216,
0.3168

 11.9032, 0.3367,
0.2964

298.7154, 0.3211,
0.3175

 6.6778, 0.3416,
0.2899

355.6319, 0.3206,

 3.2614, 0.3489,

0.3181

0.2802

419.3546, 0.3202,
0.3187

■ 1.2697, 0.3613,
0.2641

■ 0.1175, 0.4673,
0.1146

■ 78.6194, 0.3257,
0.3112

■ 78.6194, 0.3257,
0.3112

■ 65.5301, 0.3374,
0.2975

■ 93.7841, 0.3159,
0.3243

■ 54.4470, 0.3514,
0.2836

100.0000, 0.3127,
0.3290

■ 45.2619, 0.3679,
0.2701

■ 37.8657, 0.3870,
0.2578

■ 32.1381, 0.4085,
0.2479

■ 27.9439, 0.4317,
0.2417

■ 25.1263, 0.4558,
0.2403

■ 23.4943, 0.4795,
0.2444

■ 22.9054, 0.4938,
0.2494

Harmonies

Analogous

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



78.6194, 0.3071, 0.3012



78.6194, 0.3257, 0.3112



78.6194, 0.3412, 0.3257

Triad

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



78.6194, 0.3257, 0.3112



78.6194, 0.3349, 0.3612



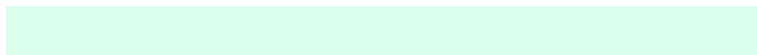
78.6194, 0.2779, 0.3149

Complementary

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



78.6194, 0.3257, 0.3112



92.8462, 0.3015, 0.3475

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.



78.6194, 0.2849, 0.3314



78.6194, 0.3257, 0.3112



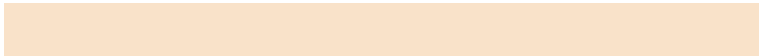
78.6194, 0.3175, 0.3589

Square

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



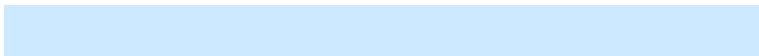
78.6194, 0.3257, 0.3112



78.6194, 0.3465, 0.3545



78.6194, 0.2993, 0.3478



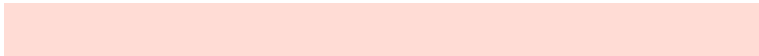
78.6194, 0.2799, 0.3029

Rectangle

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



78.6194, 0.3257, 0.3112



78.6194, 0.3473, 0.3363



78.6194, 0.2993, 0.3478



78.6194, 0.2793, 0.3201

Sweetspot

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



78.6114, 0.3257, 0.3112



93.3491, 0.3161, 0.3240



76.3867, 0.3019, 0.2936



19.7212, 0.3168, 0.3230



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

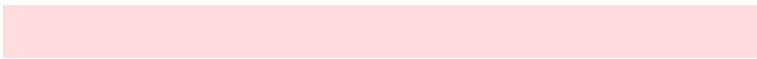
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6114, 0.3257, 0.3112



75.4641, 0.3281, 0.3081



77.6354, 0.3377, 0.3285



18.1432, 0.3213, 0.3168



11.9989, 0.4902, 0.2474



1.1904, 0.4656, 0.2339

Inverse Universe

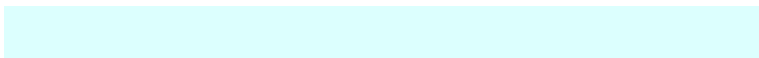
The Inverse Universe completely reimagines the original color for something new.



78.6114, 0.3257, 0.3112



75.4641, 0.3281, 0.3081



93.9156, 0.2920, 0.3295



18.1432, 0.3213, 0.3168



11.9989, 0.4902, 0.2474



1.1904, 0.4656, 0.2339

Previews

White Background



This preview shows how the Yxy color 78.6194, 0.3257, 0.3112 looks on a white background.

Color Contrast Check

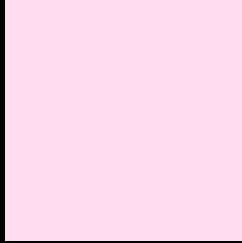
Large Text (above 18pt) WCAG AA × Fail

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 78.6194, 0.3257, 0.3112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

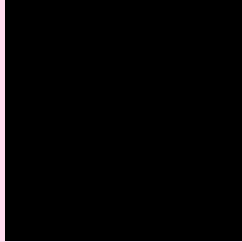
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6194, 0.3257, 0.3112

Background



This preview shows how black text looks on a background with the Yxy color 78.6194, 0.3257, 0.3112.



This preview shows how white text looks on a background with the Yxy color 78.6194, 0.3257, 0.3112.

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

78.6194, 0.3257, 0.3112

Protanopia

78.7809, 0.3046, 0.3135

Deuteranopia

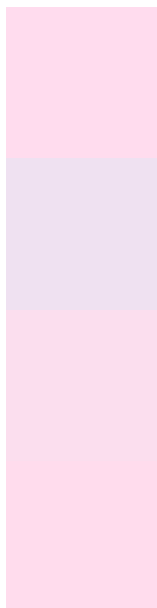
78.9049, 0.3204, 0.3140



Tritanopia

78.5608, 0.3263, 0.3122

Trichromacy



Original Color

78.6194, 0.3257, 0.3112

Protanomaly

78.5520, 0.3121, 0.3127

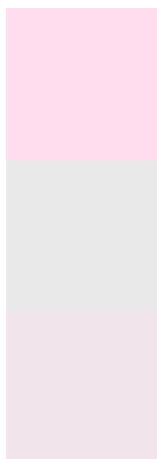
Deuteranomaly

78.9248, 0.3226, 0.3131

Tritanomaly

78.5608, 0.3263, 0.3122

Monochromacy



Original Color

78.6194, 0.3257, 0.3112

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.1857, 0.3172, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6194, 0.3257, 0.3112 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, 220, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 238)  
}
```

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, 220, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 238) }
```

Border

The CSS property to change the border of an element to Yxy 78.6194, 0.3257, 0.3112 is called "border". The border property can be set on classes, ids or directly on the HTML element.

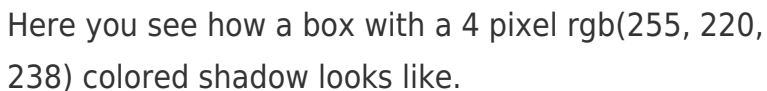
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 220, 238) }
```

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

```
.border{ border-color:rgb(255, 220, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 220, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 220, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 220, 238); box-shadow:4px 4px 4px 4px rgb(255, 220, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6194, 0.3257, 0.3112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 238) }
```

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

```
.background{ background-color: rgb(255,  
220, 238) }
```

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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