

Converting Colors

$Y_{xy}(100.0000, 0.3968, 0.3212)$

Have a look what the booklet for
Yxy(100.0000, 0.3968, 0.3212)
contains.

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Color

Yxy(78.1596, 0.3312, 0.3191)

Conversions

Conversions Part 1

Format	Color
Hex	FFDCE6
RGB	255, 220, 230
RGB Percent	100%, 86%, 90%
CMY	0.0000, 0.1373, 0.0981
CMYK	0.00, 0.14, 0.10, 0.00
HSL	343°, 100%, 93%
HSV	343°, 14%, 100%
XYZ	81.1233, 78.1596, 85.6547
YIQ	231.6050, 17.6500, 10.5300

Conversions

Conversions Part 2

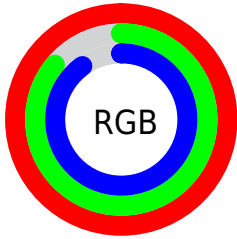
Format	Color
R_{YB}	255, 220, 230
Decimal	16768230
CIE _{Lab}	90.85, 13.71, -0.40
CIE _{LCh}	91, 13.719, 358.339
Y _{xy}	78.1596, 0.3312, 0.3191
Android (android.graphics.Color)	4294958310 (0xFFFFDCE6)
Y_{UV}	231.6050, -0.7913, 20.5174
Hunter-Lab	88.4079, 9.0782, 4.4420

Details

The Yxy color **78.1596, 0.3312, 0.3191** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.3287, 0.2971, 0.3391**, and the grayscale version is **80.3765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0112, 0.3349, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **64.8052, 0.3483, 0.3114**, and if you desaturate by 10%, it is **93.6551, 0.3172, 0.3264**.

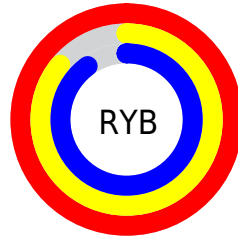
Distribution



Red (100%)

Green (86%)

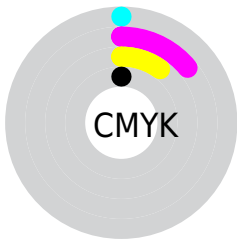
Blue (90%)



Red (100%)

Yellow (86%)

Blue (90%)

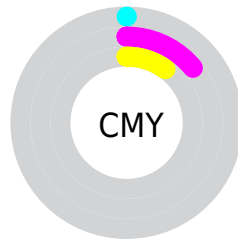


Cyan (0%)

Magenta (14%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1596, 0.3312, 0.3191 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 78.1596, 0.3312, 0.3191 by changing the saturation by 10% instead.


 78.1596, 0.3312,
0.3191

 78.1596, 0.3312,
0.3191


488.7087, 0.3228,
0.3236

 58.2051, 0.3331,
0.3181


130.7751, 0.3283,
0.3207

 41.9736, 0.3355,
0.3168

164.2049, 0.3272,
0.3213

 29.0806, 0.3384,
0.3152


202.8952, 0.3262,
0.3218

 19.1418, 0.3422,
0.3132

247.2304, 0.3253,
0.3223

 11.7728, 0.3474,
0.3104

297.5950, 0.3246,
0.3227

 6.5892, 0.3548,
0.3065

354.3733, 0.3239,

 3.2065, 0.3661,

0.3230

0.3005

417.9497, 0.3233,
0.3233

1.2405, 0.3858,
0.2901

0.0944, 0.6536,
0.1453

78.1596, 0.3312,
0.3191

78.1596, 0.3312,
0.3191

64.8052, 0.3483,
0.3114

93.6551, 0.3172,
0.3264

53.5076, 0.3694,
0.3036

100.0000, 0.3127,
0.3290

44.1605, 0.3948,
0.2960

36.6521, 0.4250,
0.2895

■ 30.8595, 0.4594,
0.2849

■ 26.6444, 0.4967,
0.2836

■ 23.8470, 0.5342,
0.2865

■ 22.2727, 0.5681,
0.2940

■ 21.7371, 0.5862,
0.3003

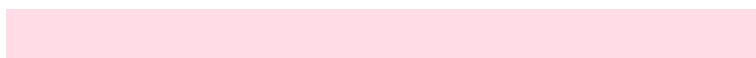
Harmonies

Analogous

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



78.1596, 0.3156, 0.3081



78.1596, 0.3312, 0.3191



78.1596, 0.3419, 0.3328

Triad

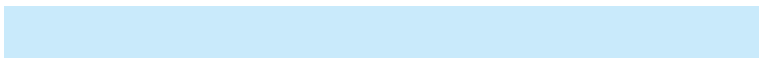
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1596, 0.3312, 0.3191



78.1596, 0.3254, 0.3572



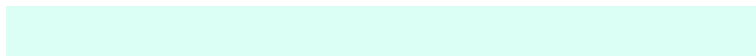
78.1596, 0.2819, 0.3110

Complementary

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



78.1596, 0.3312, 0.3191



93.3287, 0.2971, 0.3391

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.



78.1596, 0.2844, 0.3240



78.1596, 0.3312, 0.3191



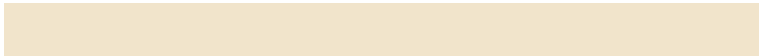
78.1596, 0.3092, 0.3514

Square

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



78.1596, 0.3312, 0.3191



78.1596, 0.3384, 0.3551



78.1596, 0.2943, 0.3390



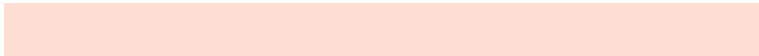
78.1596, 0.2874, 0.3032

Rectangle

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



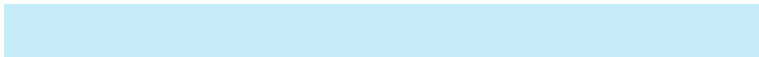
78.1596, 0.3312, 0.3191



78.1596, 0.3446, 0.3419



78.1596, 0.2943, 0.3390



78.1596, 0.2818, 0.3149

Sweetspot

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



78.1558, 0.3312, 0.3191



93.2031, 0.3176, 0.3262



77.7265, 0.3071, 0.2942



19.6843, 0.3185, 0.3257



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

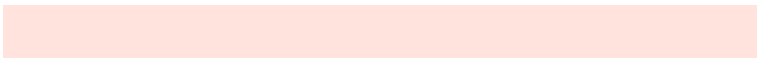
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1558, 0.3312, 0.3191



74.9362, 0.3348, 0.3174



81.3633, 0.3372, 0.3361



18.0722, 0.3249, 0.3222



11.3801, 0.5820, 0.2980



1.1259, 0.5501, 0.2804

Inverse Universe

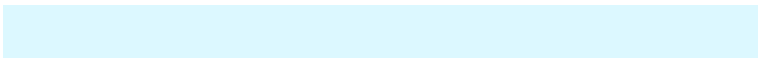
The Inverse Universe completely reimagines the original color for something new.



78.1558, 0.3312, 0.3191



74.9362, 0.3348, 0.3174



89.5692, 0.2915, 0.3218



18.0722, 0.3249, 0.3222



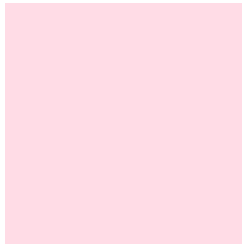
11.3801, 0.5820, 0.2980



1.1259, 0.5501, 0.2804

Previews

White Background



This preview shows how the Yxy color 78.1596, 0.3312, 0.3191 looks on a white background.

Color Contrast Check

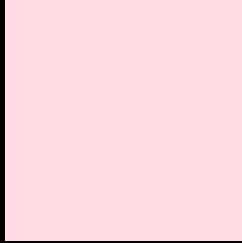
Large Text (above 18pt) WCAG AA × Fail

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 78.1596, 0.3312, 0.3191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

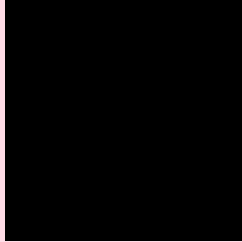
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.1596, 0.3312, 0.3191

Background



This preview shows how black text looks on a background with the Yxy color 78.1596, 0.3312, 0.3191.

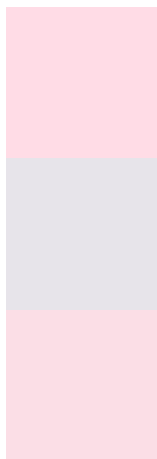


This preview shows how white text looks on a background with the Yxy color 78.1596, 0.3312, 0.3191.

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

78.1596, 0.3312, 0.3191

Protanopia

78.4162, 0.3110, 0.3228

Deuteranopia

78.4650, 0.3281, 0.3210



Tritanopia

77.9792, 0.3271, 0.3122

Trichromacy



Original Color

78.1596, 0.3312, 0.3191

Protanomaly

78.2589, 0.3180, 0.3208

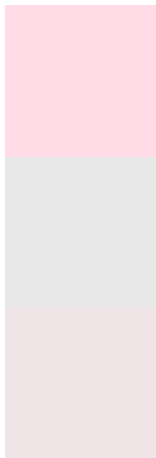
Deuteranomaly

78.1215, 0.3289, 0.3200

Tritanomaly

77.8635, 0.3285, 0.3141

Monochromacy



Original Color

78.1596, 0.3312, 0.3191

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

79.7816, 0.3191, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1596, 0.3312, 0.3191 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 230) }
```

Border

The CSS property to change the border of an element to Yxy 78.1596, 0.3312, 0.3191 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, 230) }
```

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

```
.border{ border-color:rgb(255, 220, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1596, 0.3312, 0.3191 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
220, 230) }
```

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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