

Converting Colors

$Y_{xy}(121.6798, 0.4406, 0.3338)$

Have a look what the booklet for
Yxy(121.6798, 0.4406, 0.3338)
contains.

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Color

Yxy(80.7672, 0.3380, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2DB
RGB	255, 226, 219
RGB Percent	100%, 89%, 86%
CMY	0.0000, 0.1137, 0.1412
CMYK	0.00, 0.11, 0.14, 0.00
HSL	12°, 100%, 93%
HSV	12°, 14%, 100%
XYZ	81.2238, 80.7672, 78.3161
YIQ	233.8730, 19.5310, 3.9710

Conversions

Conversions Part 2

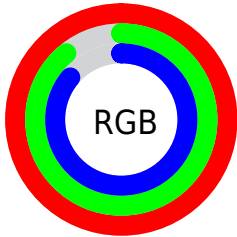
Format	Color
R _Y B	255, 228, 219
Decimal	16769755
CIE Lab	92.03, 8.84, 7.06
CIE LCh	92, 11.315, 38.604
Yxy	80.7672, 0.3380, 0.3361
Android (android.graphics.Color)	4294959835 (0xFFFFE2DB)
YUV	233.8730, -7.3324, 18.5284
Hunter-Lab	89.8706, 4.0523, 11.2422

Details

The Yxy color $80.7672, 0.3380, 0.3361$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $89.4020, 0.2909, 0.3218$, and the grayscale version is $82.2236, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.8119, 0.3438, 0.3381$ is the 20% darker color. If you saturate the color by 10%, you get $69.0212, 0.3605, 0.3415$, and if you desaturate by 10%, it is $94.0588, 0.3194, 0.3310$.

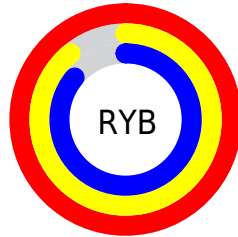
Distribution



Red (100%)

Green (89%)

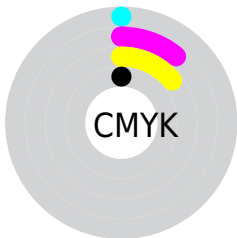
Blue (86%)



Red (100%)

Yellow (89%)

Blue (86%)

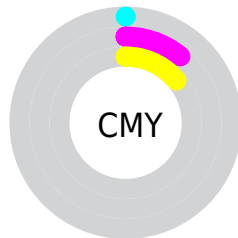


Cyan (0%)

Magenta (11%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7672, 0.3380, 0.3361 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 80.7672, 0.3380, 0.3361 by changing the saturation by 10% instead.

 80.7672, 0.3380,
0.3361

 80.7672, 0.3380,
0.3361


497.5146, 0.3264,
0.3330

 60.3499, 0.3406,
0.3368


134.4438, 0.3340,
0.3351

 43.7007, 0.3438,
0.3376


168.4720, 0.3325,
0.3346

 30.4353, 0.3478,
0.3386


207.8058, 0.3311,
0.3343

 20.1692, 0.3531,
0.3398

252.8297, 0.3299,
0.3340

 12.5181, 0.3601,
0.3414

303.9282, 0.3289,
0.3337

 7.0976, 0.3702,
0.3435

361.4856, 0.3280,

 3.5232, 0.3855,

0.3334

0.3465

425.8862, 0.3272,
0.3332

■ 1.4106, 0.4118,
0.3505

■ 0.2245, 0.6566,
0.3434

■ 80.7672, 0.3380,
0.3361

■ 80.7672, 0.3380,
0.3361

■ 69.0212, 0.3605,
0.3415

■ 94.0588, 0.3194,
0.3310

■ 58.7602, 0.3877,
0.3470

100.0000, 0.3127,
0.3290

■ 49.9258, 0.4199,
0.3523

■ 42.4541, 0.4571,
0.3567

■ 36.2763, 0.4982,
0.3595

■ 31.3174, 0.5403,
0.3596

■ 27.4944, 0.5789,
0.3563

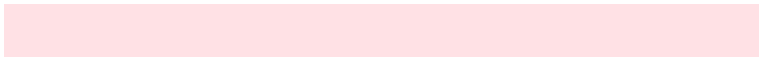
■ 24.7131, 0.6087,
0.3495

■ 23.5147, 0.6213,
0.3449

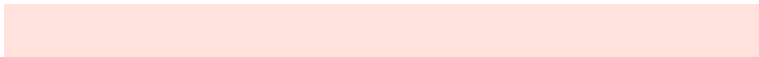
Harmonies

Analogous

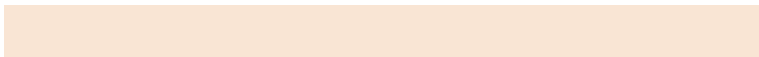
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7672, 0.3314, 0.3247



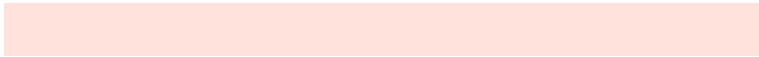
80.7672, 0.3380, 0.3361



80.7672, 0.3377, 0.3460

Triad

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



80.7672, 0.3380, 0.3361



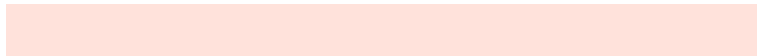
80.7672, 0.3054, 0.3442



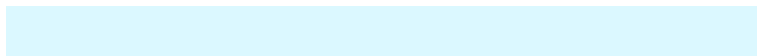
80.7672, 0.2949, 0.3069

Complementary

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



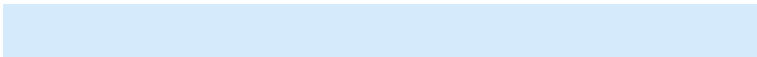
80.7672, 0.3380, 0.3361



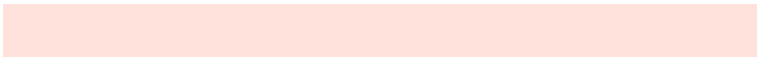
89.4020, 0.2909, 0.3218

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.



80.7672, 0.2883, 0.3116



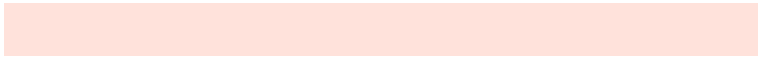
80.7672, 0.3380, 0.3361



80.7672, 0.2943, 0.3331

Square

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



80.7672, 0.3380, 0.3361



80.7672, 0.3187, 0.3510



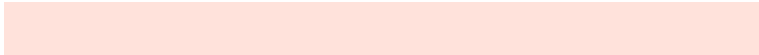
80.7672, 0.2881, 0.3211



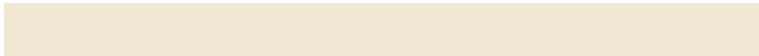
80.7672, 0.3064, 0.3081

Rectangle

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



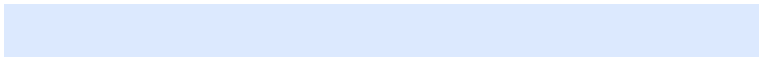
80.7672, 0.3380, 0.3361



80.7672, 0.3336, 0.3503



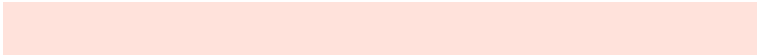
80.7672, 0.2881, 0.3211



80.7672, 0.2921, 0.3079

Sweetspot

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



80.7687, 0.3380, 0.3361



94.2320, 0.3192, 0.3309



78.7180, 0.3187, 0.3002



19.9435, 0.3205, 0.3313



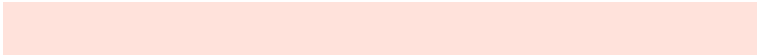
0.0000, 0.0000, 0.0000



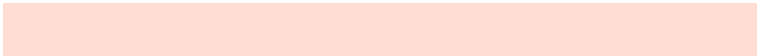
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7687, 0.3380, 0.3361



77.2332, 0.3440, 0.3376



90.8321, 0.3355, 0.3533



18.5599, 0.3290, 0.3337



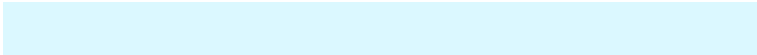
12.4486, 0.6189, 0.3468



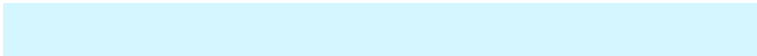
1.3549, 0.5986, 0.3629

Inverse Universe

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



89.4020, 0.2909, 0.3218



87.4135, 0.2865, 0.3202



79.0894, 0.2903, 0.3034



19.8445, 0.2980, 0.3243



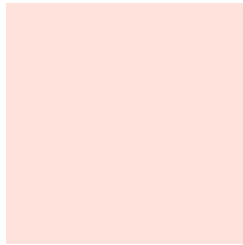
26.8784, 0.2070, 0.2651



2.7637, 0.2092, 0.2732

Previews

White Background



This preview shows how the Yxy color 80.7672, 0.3380, 0.3361 looks on a white background.

Color Contrast Check

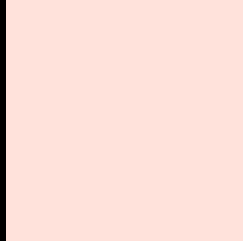
Large Text (above 18pt) WCAG AA × Fail

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 80.7672, 0.3380, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

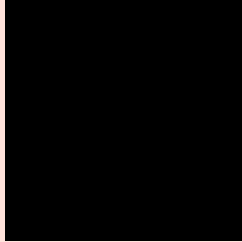
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

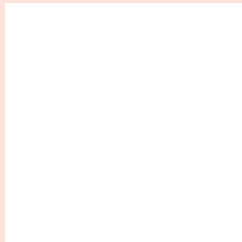
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7672, 0.3380, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 80.7672, 0.3380, 0.3361.

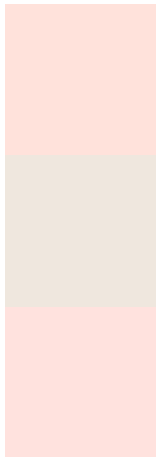


This preview shows how white text looks on a background with the Yxy color 80.7672, 0.3380, 0.3361.

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

80.7672, 0.3380, 0.3361

Protanopia

80.7765, 0.3240, 0.3383

Deuteranopia

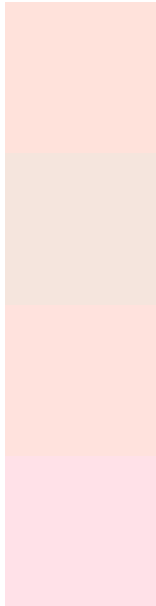
80.9266, 0.3359, 0.3331



Tritanopia

80.8033, 0.3246, 0.3142

Trichromacy



Original Color

80.7672, 0.3380, 0.3361

Protanomaly

80.6716, 0.3291, 0.3372

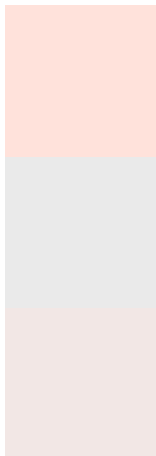
Deuteranomaly

80.8732, 0.3366, 0.3341

Tritanomaly

80.9366, 0.3292, 0.3221

Monochromacy



Original Color

80.7672, 0.3380, 0.3361

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.6862, 0.3215, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7672, 0.3380, 0.3361 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, 226, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 219)  
}
```

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, 226, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 219) }
```

Border

The CSS property to change the border of an element to Yxy 80.7672, 0.3380, 0.3361 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, 226, 219) }
```

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

```
.border{ border-color:rgb(255, 226, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7672, 0.3380, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 219) }
```

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

```
.background{ background-color: rgb(255,  
226, 219) }
```

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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