

Converting Colors

$Y_{xy}(100.0000, 0.3966, 0.3333)$

Have a look what the booklet for
Yxy(100.0000, 0.3966, 0.3333)
contains.

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Color

Yxy(80.2777, 0.3374, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	FFE1DC
RGB	255, 225, 220
RGB Percent	100%, 88%, 86%
CMY	0.0002, 0.1176, 0.1373
CMYK	0.00, 0.12, 0.14, 0.00
HSL	9°, 100%, 93%
HSV	9°, 14%, 100%
XYZ	81.0706, 80.2777, 78.9321
YIQ	233.4000, 19.4850, 4.8050

Conversions

Conversions Part 2

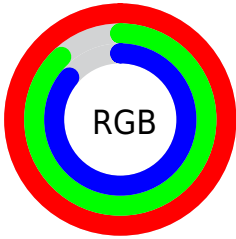
Format	Color
R _Y B	255, 226, 220
Decimal	16769500
CIE Lab	91.81, 9.49, 6.21
CIE LCh	92, 11.341, 33.226
Yxy	80.2777, 0.3374, 0.3341
Android (android.graphics.Color)	4294959580 (0xFFFFE1DC)
YUV	233.4000, -6.6062, 18.9432
Hunter-Lab	89.5978, 4.7156, 10.4863

Details

The Yxy color $80.2777, 0.3374, 0.3341$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $90.7623, 0.2916, 0.3238$, and the grayscale version is $81.8411, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.4718, 0.3431, 0.3355$ is the 20% darker color. If you saturate the color by 10%, you get $67.9707, 0.3602, 0.3381$, and if you desaturate by 10%, it is $94.3073, 0.3187, 0.3303$.

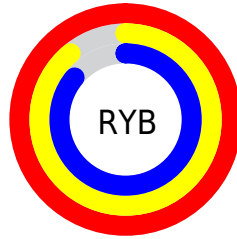
Distribution



Red (100%)

Green (88%)

Blue (86%)



Red (100%)

Yellow (89%)

Blue (86%)

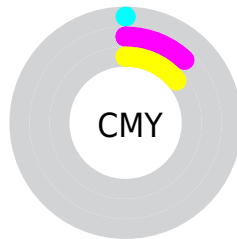


Cyan (0%)

Magenta (12%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (12%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2777, 0.3374, 0.3341 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 80.2777, 0.3374, 0.3341 by changing the saturation by 10% instead.

 80.2777, 0.3374,
0.3341

 80.2777, 0.3374,
0.3341


495.8682, 0.3261,
0.3319

 59.9469, 0.3399,
0.3346


133.7561, 0.3335,
0.3334

 43.3758, 0.3431,
0.3351


167.6725, 0.3320,
0.3331

 30.1801, 0.3470,
0.3358


206.8862, 0.3307,
0.3328

 19.9753, 0.3522,
0.3367

251.7816, 0.3295,
0.3326

 12.3771, 0.3591,
0.3377

302.7431, 0.3285,
0.3324

 7.0011, 0.3690,
0.3391

360.1551, 0.3276,

 3.4628, 0.3841,

0.3322

0.3410

424.4020, 0.3268,
0.3320

■ 1.3778, 0.4101,
0.3434

■ 0.2003, 0.6781,
0.3219

■ 80.2777, 0.3374,
0.3341

■ 80.2777, 0.3374,
0.3341

■ 67.9707, 0.3602,
0.3381

■ 94.3073, 0.3187,
0.3303

■ 57.3094, 0.3880,
0.3422

99.9913, 0.3127,
0.3290

■ 48.2271, 0.4213,
0.3461

■ 40.6483, 0.4601,
0.3493

■ 34.4915, 0.5031,
0.3512

■ 29.6669, 0.5472,
0.3510

■ 26.0749, 0.5869,
0.3481

■ 23.6010, 0.6166,
0.3426

■ 22.5513, 0.6290,
0.3388

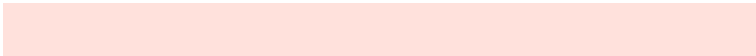
Harmonies

Analogous

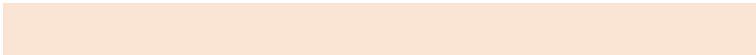
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2777, 0.3296, 0.3227



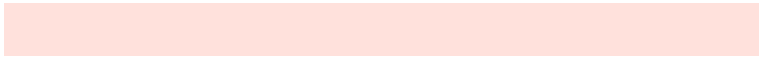
80.2777, 0.3374, 0.3341



80.2777, 0.3384, 0.3445

Triad

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



80.2777, 0.3374, 0.3341



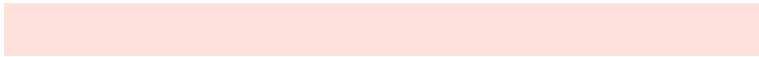
80.2777, 0.3077, 0.3459



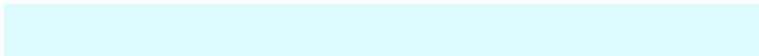
80.2777, 0.2932, 0.3073

Complementary

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



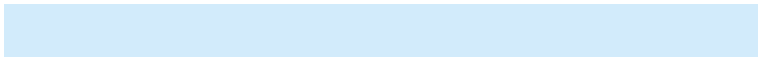
80.2777, 0.3374, 0.3341



90.7623, 0.2916, 0.3238

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.



80.2777, 0.2877, 0.3129



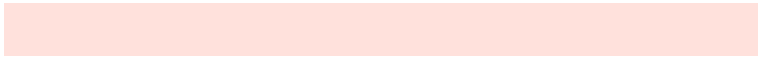
80.2777, 0.3374, 0.3341



80.2777, 0.2959, 0.3353

Square

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



80.2777, 0.3374, 0.3341



80.2777, 0.3210, 0.3517



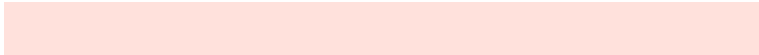
80.2777, 0.2887, 0.3231



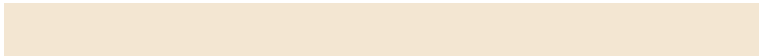
80.2777, 0.3040, 0.3074

Rectangle

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



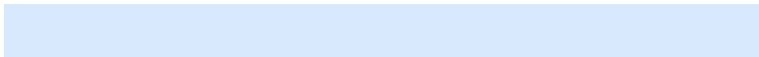
80.2777, 0.3374, 0.3341



80.2777, 0.3350, 0.3495



80.2777, 0.2887, 0.3231



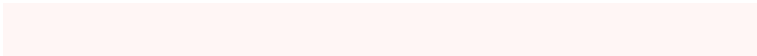
80.2777, 0.2907, 0.3085

Sweetspot

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



80.2813, 0.3374, 0.3341



93.9134, 0.3192, 0.3304



79.3589, 0.3174, 0.2994



19.8632, 0.3205, 0.3307



0.0000, 0.0000, 0.0000



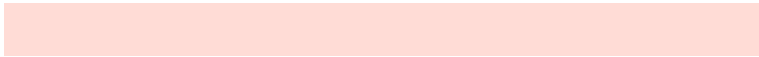
21.4041, 0.3127, 0.3290

Same Dimension

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



80.2813, 0.3374, 0.3341



77.3439, 0.3422, 0.3350



90.0051, 0.3350, 0.3509



18.4079, 0.3291, 0.3325



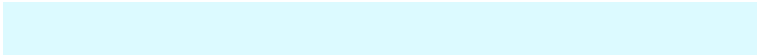
11.9146, 0.6270, 0.3403



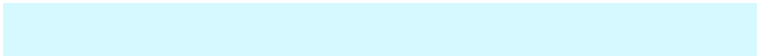
1.2804, 0.6089, 0.3548

Inverse Universe

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



90.7623, 0.2916, 0.3238



89.3834, 0.2881, 0.3229



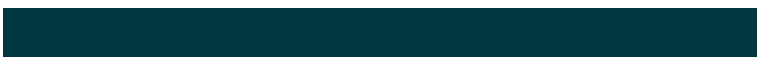
80.6073, 0.2911, 0.3061



20.0103, 0.2980, 0.3255



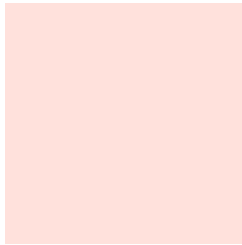
30.2431, 0.2119, 0.2827



3.0611, 0.2135, 0.2885

Previews

White Background



This preview shows how the Yxy color 80.2777, 0.3374, 0.3341 looks on a white background.

Color Contrast Check

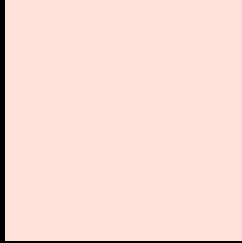
Large Text (above 18pt) WCAG AA × Fail

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 80.2777, 0.3374, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

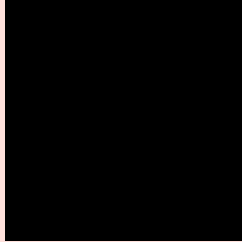
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

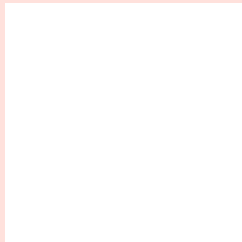
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2777, 0.3374, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 80.2777, 0.3374, 0.3341.

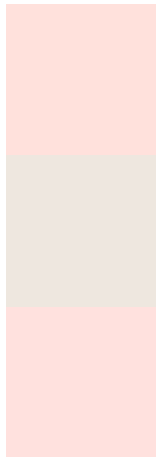


This preview shows how white text looks on a background with the Yxy color 80.2777, 0.3374, 0.3341.

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

80.2777, 0.3374, 0.3341

Protanopia

80.6567, 0.3227, 0.3373

Deuteranopia

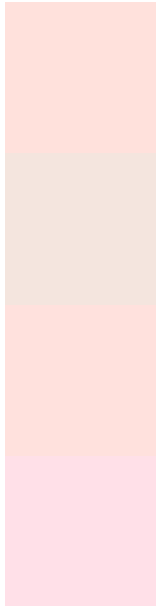
80.3844, 0.3361, 0.3321



Tritanopia

80.2673, 0.3247, 0.3132

Trichromacy



Original Color

80.2777, 0.3374, 0.3341

Protanomaly

80.5456, 0.3277, 0.3362

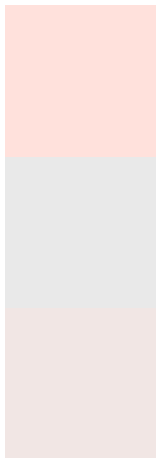
Deuteranomaly

80.3309, 0.3367, 0.3331

Tritanomaly

80.3975, 0.3294, 0.3211

Monochromacy



Original Color

80.2777, 0.3374, 0.3341

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.8958, 0.3216, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2777, 0.3374, 0.3341 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, 225, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 220)  
}
```

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, 225, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 220) }
```

Border

The CSS property to change the border of an element to Yxy 80.2777, 0.3374, 0.3341 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, 225, 220) }
```

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

```
.border{ border-color:rgb(255, 225, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 225, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 225, 220); box-shadow:4px 4px 4px 4px rgb(255, 225, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2777, 0.3374, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 220) }
```

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

```
.background{ background-color: rgb(255,  
225, 220) }
```

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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