

Converting Colors

$Y_{xy}(79.9637, 0.3409, 0.3414)$

Have a look what the booklet for
Yxy(79.9637, 0.3409, 0.3414)
contains.

Yxy(80.2676, 0.3414, 0.3422)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.2676, 0.3414, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	FEE2D5
RGB	254, 226, 213
RGB Percent	100%, 89%, 84%
CMY	0.0039, 0.1137, 0.1647
CMYK	0.00, 0.11, 0.16, 0.00
HSL	19°, 95%, 92%
HSV	19°, 16%, 100%
XYZ	80.0799, 80.2676, 74.2159
YIQ	232.8900, 20.8610, 1.8930

Conversions

Conversions Part 2

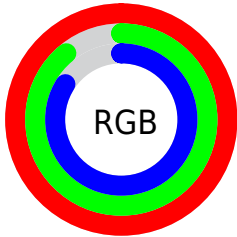
Format	Color
R _Y B	254, 232, 213
Decimal	16704213
CIE Lab	91.80, 7.57, 9.86
CIE LCh	92, 12.427, 52.492
Yxy	80.2676, 0.3414, 0.3422
Android (android.graphics.Color)	4294894293 (0xFFFE2D5)
YUV	232.8900, -9.8058, 18.5135
Hunter-Lab	89.5922, 2.7619, 13.6002

Details

The Yxy color $80.2676, 0.3414, 0.3422$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $84.2064, 0.2876, 0.3154$, and the grayscale version is $81.4640, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.4648, 0.3483, 0.3459$ is the 20% darker color. If you saturate the color by 10%, you get $70.1217, 0.3635, 0.3510$, and if you desaturate by 10%, it is $91.5765, 0.3227, 0.3339$.

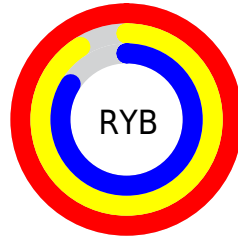
Distribution



Red (100%)

Green (89%)

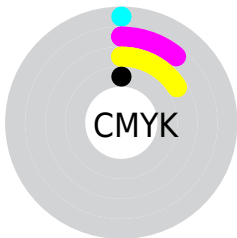
Blue (84%)



Red (100%)

Yellow (91%)

Blue (84%)

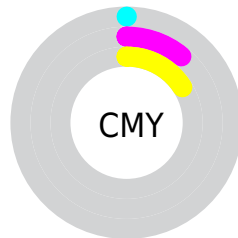


Cyan (0%)

Magenta (11%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2676, 0.3414, 0.3422 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 80.2676, 0.3414, 0.3422 by changing the saturation by 10% instead.


 80.2676, 0.3414,
0.3422

 80.2676, 0.3414,
0.3422

495.8342, 0.3283,
0.3363

 59.9386, 0.3444,
0.3435


133.7419, 0.3369,
0.3402

 43.3691, 0.3480,
0.3450


167.6560, 0.3351,
0.3394

 30.1749, 0.3526,
0.3470


206.8672, 0.3336,
0.3387

 19.9713, 0.3585,
0.3494


251.7599, 0.3322,
0.3382

 12.3742, 0.3666,
0.3526

302.7186, 0.3311,
0.3376

 6.9991, 0.3780,
0.3569

360.1276, 0.3300,

 3.4615, 0.3953,

0.3372

0.3630

424.3714, 0.3291,
0.3367

■ 1.3772, 0.4270,
0.3738

■ 0.1998, 0.6522,
0.3478

■ 80.2676, 0.3414,
0.3422

■ 80.2676, 0.3414,
0.3422

■ 70.1217, 0.3635,
0.3510

■ 91.5765, 0.3227,
0.3339

■ 61.0904, 0.3894,
0.3598

99.8120, 0.3121,
0.3290

■ 53.1377, 0.4193,
0.3682

■ 46.2214, 0.4529,
0.3754

■ 40.2965, 0.4891,
0.3802

■ 35.3140, 0.5256,
0.3814

■ 31.2205, 0.5592,
0.3779

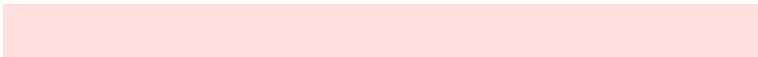
■ 27.9552, 0.5864,
0.3695

■ 26.8975, 0.5952,
0.3656

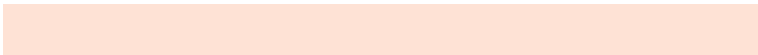
Harmonies

Analogous

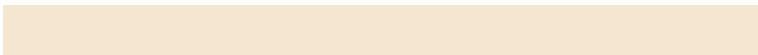
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2676, 0.3375, 0.3300



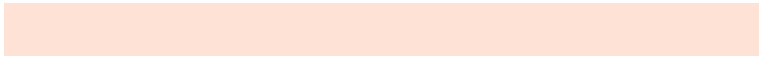
80.2676, 0.3414, 0.3422



80.2676, 0.3374, 0.3513

Triad

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



80.2676, 0.3414, 0.3422



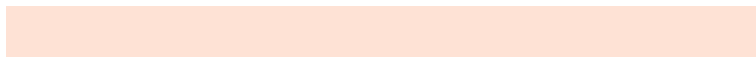
80.2676, 0.2985, 0.3404



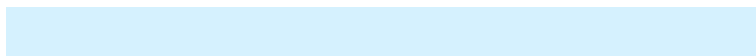
80.2676, 0.2985, 0.3046

Complementary

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



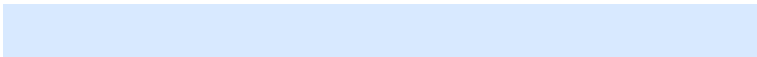
80.2676, 0.3414, 0.3422



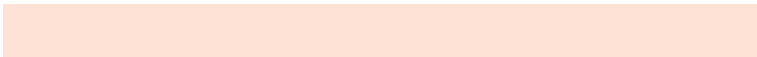
84.2064, 0.2876, 0.3154

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.



80.2676, 0.2885, 0.3067



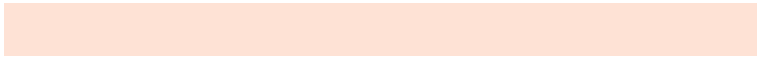
80.2676, 0.3414, 0.3422



80.2676, 0.2885, 0.3272

Square

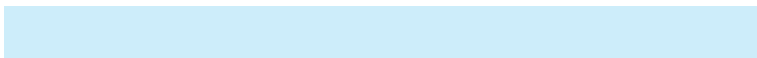
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2676, 0.3414, 0.3422



80.2676, 0.3125, 0.3506



80.2676, 0.2849, 0.3148



80.2676, 0.3125, 0.3087

Rectangle

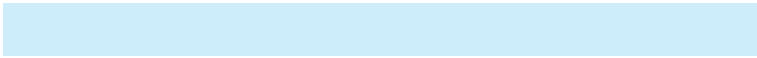
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2676, 0.3414, 0.3422



80.2676, 0.3308, 0.3542



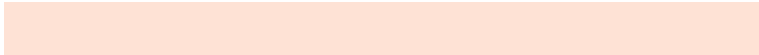
80.2676, 0.2849, 0.3148



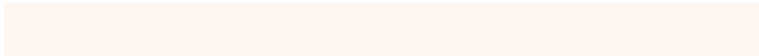
80.2676, 0.2945, 0.3046

Sweetspot

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



80.2712, 0.3414, 0.3422



93.7774, 0.3208, 0.3329



75.0076, 0.3235, 0.3012



19.8902, 0.3220, 0.3335



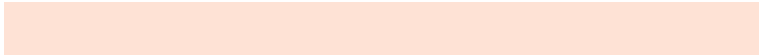
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.2712, 0.3414, 0.3422



77.9451, 0.3473, 0.3447



92.0836, 0.3382, 0.3622



18.9277, 0.3286, 0.3366



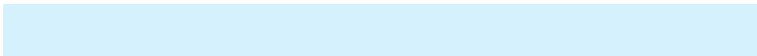
14.4129, 0.5923, 0.3679



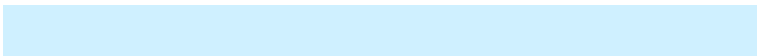
1.5900, 0.5702, 0.3854

Inverse Universe

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



84.2064, 0.2876, 0.3154



82.5210, 0.2832, 0.3128



72.7554, 0.2867, 0.2935



19.4522, 0.2980, 0.3213



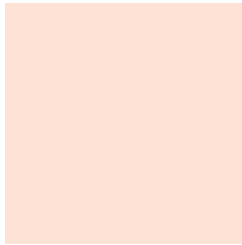
19.8883, 0.1949, 0.2216



2.1332, 0.1987, 0.2353

Previews

White Background



This preview shows how the Yxy color 80.2676, 0.3414, 0.3422 looks on a white background.

Color Contrast Check

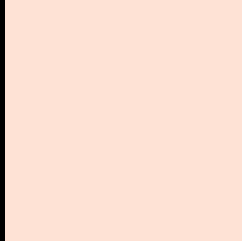
Large Text (above 18pt) WCAG AA × Fail

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 80.2676, 0.3414, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

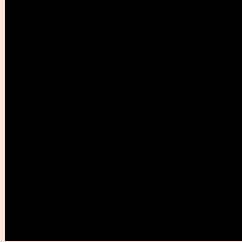
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

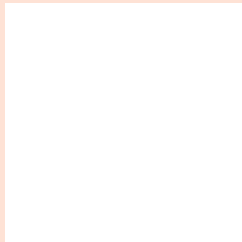
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2676, 0.3414, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 80.2676, 0.3414, 0.3422.

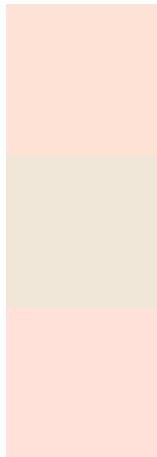


This preview shows how white text looks on a background with the Yxy color 80.2676, 0.3414, 0.3422.

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

80.2676, 0.3414, 0.3422

Protanopia

80.6350, 0.3286, 0.3446

Deuteranopia

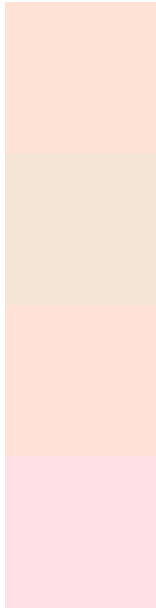
80.1202, 0.3395, 0.3371



Tritanopia

80.2673, 0.3247, 0.3132

Trichromacy



Original Color

80.2676, 0.3414, 0.3422

Protanomaly

80.3574, 0.3331, 0.3434

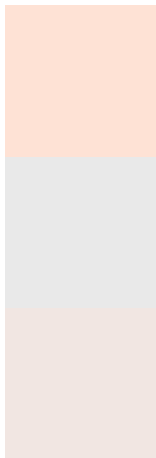
Deuteranomaly

80.0683, 0.3402, 0.3381

Tritanomaly

80.2845, 0.3307, 0.3231

Monochromacy



Original Color

80.2676, 0.3414, 0.3422

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.7854, 0.3229, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2676, 0.3414, 0.3422 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(254, 226, 213)` looks like.

```
.text, #text, p{  
    color:rgb(254, 226, 213)  
}
```

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(254, 226, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 226, 213) }
```

Border

The CSS property to change the border of an element to Yxy 80.2676, 0.3414, 0.3422 is called "border". The border property can be set on classes, ids or directly on the HTML element.

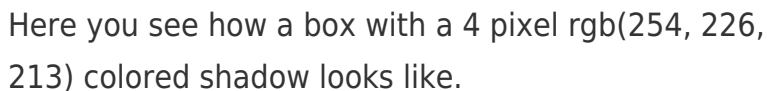
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(254, 226, 213) }
```

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

```
.border{ border-color:rgb(254, 226, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(254, 226, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(254, 226, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(254, 226, 213); box-shadow:4px 4px 4px 4px rgb(254, 226, 213) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 80.2676, 0.3414, 0.3422$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 226, 213) }
```

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

```
.background{ background-color: rgb(254,  
226, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor