

Converting Colors

$Y_{xy}(87.5302, 0.3708, 0.3478)$

Have a look what the booklet for
Yxy(87.5302, 0.3708, 0.3478)
contains.

Yxy(80.7032, 0.3461, 0.3493)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.7032, 0.3461, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	FFE3CF
RGB	255, 227, 207
RGB Percent	100%, 89%, 81%
CMY	0.0001, 0.1097, 0.1883
CMYK	0.00, 0.11, 0.19, 0.00
HSL	25°, 100%, 91%
HSV	25°, 19%, 100%
XYZ	79.9639, 80.7032, 70.3756
YIQ	233.0920, 23.1080, -0.2840

Conversions

Conversions Part 2

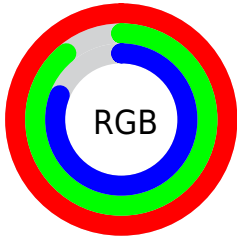
Format	Color
R_{YB}	255, 241, 207
Decimal	16769999
CIE _{Lab}	92.00, 6.50, 13.28
CIE _{LCh}	92, 14.789, 63.929
Y _{xy}	80.7032, 0.3461, 0.3493
Android (android.graphics.Color)	4294960079 (0xFFFFE3CF)
YUV	233.0920, -12.8634, 19.2133
Hunter-Lab	89.8350, 1.6752, 16.4374

Details

The Yxy color $80.7032, 0.3461, 0.3493$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $79.8629, 0.2831, 0.3078$, and the grayscale version is $81.6437, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.8107, 0.3535, 0.3536$ is the 20% darker color. If you saturate the color by 10%, you get $71.7801, 0.3680, 0.3608$, and if you desaturate by 10%, it is $90.5359, 0.3272, 0.3382$.

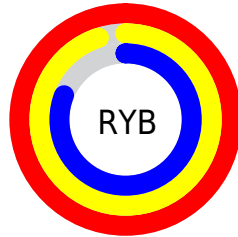
Distribution



Red (100%)

Green (89%)

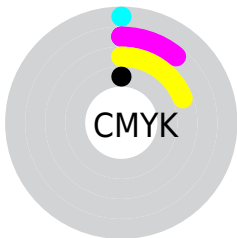
Blue (81%)



Red (100%)

Yellow (95%)

Blue (81%)

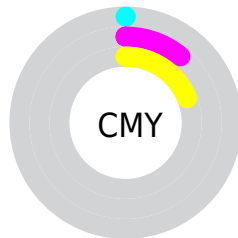


Cyan (0%)

Magenta (11%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7032, 0.3461, 0.3493 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 80.7032, 0.3461, 0.3493 by changing the saturation by 10% instead.


 80.7032, 0.3461,
0.3493

 80.7032, 0.3461,
0.3493


497.2995, 0.3308,
0.3403

 60.2972, 0.3495,
0.3513

134.3539, 0.3408,
0.3462

 43.6582, 0.3538,
0.3537

168.3675, 0.3388,
0.3450

 30.4019, 0.3591,
0.3567


207.6856, 0.3370,
0.3440

 20.1438, 0.3659,
0.3605

252.6928, 0.3355,
0.3430

 12.4996, 0.3751,
0.3654

303.7734, 0.3341,
0.3422

 7.0849, 0.3881,
0.3722

361.3117, 0.3329,

 3.5153, 0.4077,

0.3415

0.3817

425.6923, 0.3318,
0.3408

■ 1.4063, 0.4485,
0.4031

■ 0.2214, 0.6251,
0.3749

■ 80.7032, 0.3461,
0.3493

■ 80.7032, 0.3461,
0.3493

■ 71.7801, 0.3680,
0.3608

■ 90.5359, 0.3272,
0.3382

■ 63.7286, 0.3929,
0.3723

99.9967, 0.3127,
0.3290

■ 56.5235, 0.4209,
0.3830

■ 50.1341, 0.4514,
0.3922

■ 44.5279, 0.4832,
0.3984

■ 39.6691, 0.5144,
0.4003

■ 35.5185, 0.5424,
0.3969

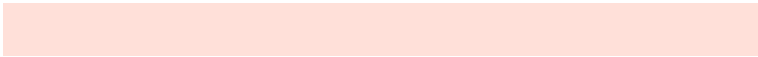
■ 32.0276, 0.5654,
0.3884

■ 31.6569, 0.5680,
0.3872

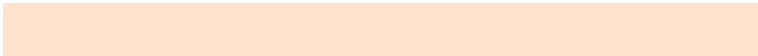
Harmonies

Analogous

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



80.7032, 0.3451, 0.3358



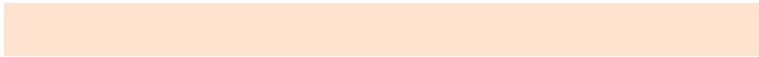
80.7032, 0.3461, 0.3493



80.7032, 0.3379, 0.3579

Triad

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



80.7032, 0.3461, 0.3493



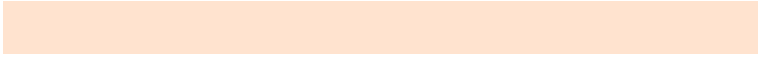
80.7032, 0.2906, 0.3367



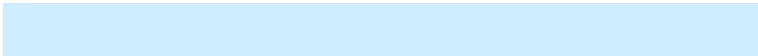
80.7032, 0.3017, 0.3012

Complementary

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



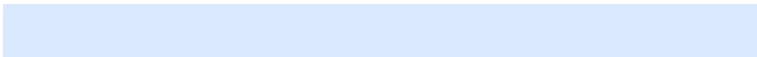
80.7032, 0.3461, 0.3493



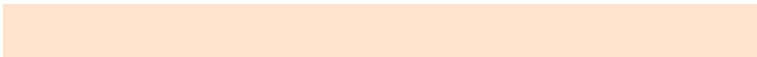
79.8629, 0.2831, 0.3078

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.



80.7032, 0.2877, 0.3007



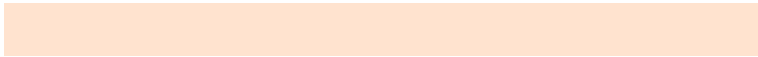
80.7032, 0.3461, 0.3493



80.7032, 0.2814, 0.3208

Square

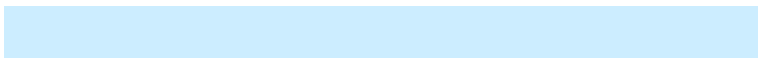
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7032, 0.3461, 0.3493



80.7032, 0.3057, 0.3509



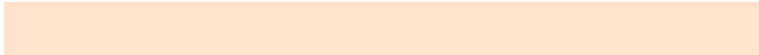
80.7032, 0.2804, 0.3077



80.7032, 0.3191, 0.3085

Rectangle

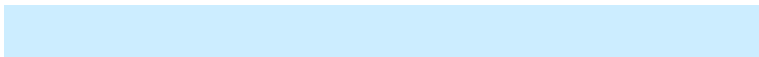
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7032, 0.3461, 0.3493



80.7032, 0.3285, 0.3594



80.7032, 0.2804, 0.3077



80.7032, 0.2965, 0.3002

Sweetspot

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



80.7068, 0.3461, 0.3493



93.4980, 0.3223, 0.3352



71.8661, 0.3290, 0.3011



19.8653, 0.3234, 0.3359



0.0000, 0.0000, 0.0000



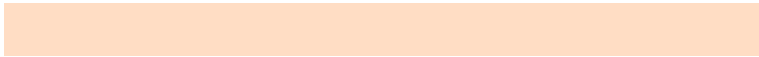
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7068, 0.3461, 0.3493



76.8868, 0.3548, 0.3541



94.7435, 0.3419, 0.3724



19.2330, 0.3284, 0.3390



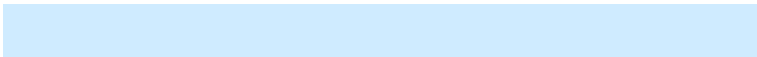
16.8227, 0.5651, 0.3895



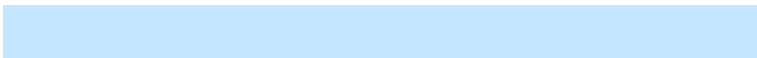
1.8479, 0.5447, 0.4057

Inverse Universe

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



79.8629, 0.2831, 0.3078



75.8839, 0.2765, 0.3025



67.0557, 0.2816, 0.2816



19.1360, 0.2979, 0.3188



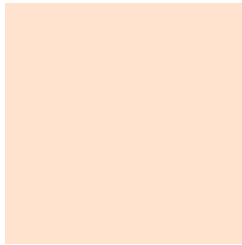
15.2312, 0.1850, 0.1858



1.6990, 0.1899, 0.2037

Previews

White Background



This preview shows how the Yxy color 80.7032, 0.3461, 0.3493 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 80.7032, 0.3461, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

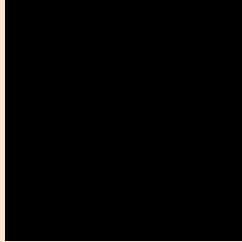
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7032, 0.3461, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 80.7032, 0.3461, 0.3493.

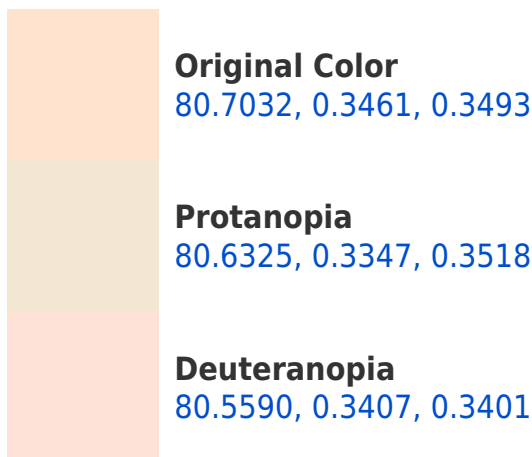


This preview shows how white text looks on a background with the Yxy color 80.7032, 0.3461, 0.3493.

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

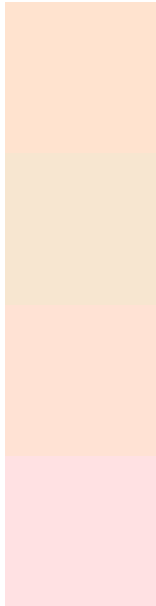




Tritanopia

80.7444, 0.3253, 0.3152

Trichromacy



Original Color

80.7032, 0.3461, 0.3493

Protanomaly

80.9219, 0.3391, 0.3516

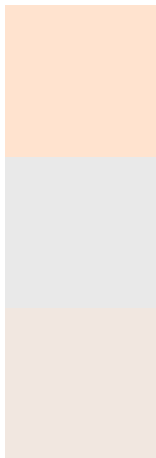
Deuteranomaly

80.4062, 0.3428, 0.3432

Tritanomaly

80.6565, 0.3326, 0.3271

Monochromacy



Original Color

80.7032, 0.3461, 0.3493

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.2344, 0.3241, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7032, 0.3461, 0.3493 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, 227, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 207)  
}
```

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, 227, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 207) }
```

Border

The CSS property to change the border of an element to Yxy 80.7032, 0.3461, 0.3493 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, 227, 207) }
```

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

```
.border{ border-color:rgb(255, 227, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7032, 0.3461, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 207) }
```

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

```
.background{ background-color: rgb(255,  
227, 207) }
```

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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