

Converting Colors

$Y_{xy}(80.1756, 0.3552, 0.3629)$

Have a look what the booklet for
Yxy(80.1756, 0.3552, 0.3629)
contains.

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Color

Yxy(80.0932, 0.3551, 0.3626)

Conversions

Conversions Part 1

Format	Color
Hex	FFE3C2
RGB	255, 227, 194
RGB Percent	100%, 89%, 76%
CMY	0.0001, 0.1097, 0.2393
CMYK	0.00, 0.11, 0.24, 0.00
HSL	32°, 100%, 88%
HSV	32°, 24%, 100%
XYZ	78.4366, 80.0932, 62.3561
YIQ	231.6100, 27.2810, -4.3270

Conversions

Conversions Part 2

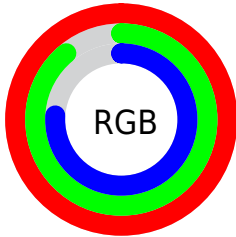
Format	Color
R _Y B	246, 255, 194
Decimal	16769986
CIE Lab	91.73, 4.65, 19.65
CIE LCh	92, 20.191, 76.683
Yxy	80.0932, 0.3551, 0.3626
Android (android.graphics.Color)	4294960066 (0xFFFFE3C2)
YUV	231.6100, -18.5417, 20.5130
Hunter-Lab	89.4948, -0.1719, 21.3357

Details

The Yxy color **80.0932, 0.3551, 0.3626** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.8947, 0.2743, 0.2929**, and the grayscale version is **80.5144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **43.4043, 0.3652, 0.3706** is the 20% darker color. If you saturate the color by 10%, you get **72.8699, 0.3766, 0.3773**, and if you desaturate by 10%, it is **87.9542, 0.3358, 0.3481**.

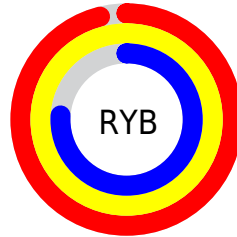
Distribution



Red (100%)

Green (89%)

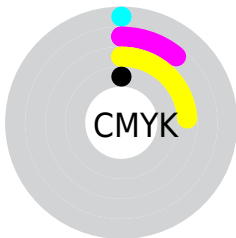
Blue (76%)



Red (96%)

Yellow (100%)

Blue (76%)

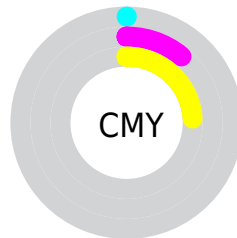


Cyan (0%)

Magenta (11%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0932, 0.3551, 0.3626 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 80.0932, 0.3551, 0.3626 by changing the saturation by 10% instead.

 80.0932, 0.3551,
0.3626

 80.0932, 0.3551,
0.3626

495.2469, 0.3358,
0.3475

 59.7950, 0.3594,
0.3659


 133.4968, 0.3485,
0.3575

 43.2535, 0.3647,
0.3699


167.3710, 0.3459,
0.3555

 30.0840, 0.3714,
0.3749


206.5393, 0.3436,
0.3537

 19.9024, 0.3799,
0.3812

251.3862, 0.3416,
0.3522

 12.3241, 0.3913,
0.3895

302.2960, 0.3399,
0.3508

 6.9648, 0.4071,
0.4005

359.6531, 0.3384,

 3.4401, 0.4302,

0.3496

0.4159

423.8419, 0.3370,
0.3485

■ 1.3656, 0.5087,
0.4773

■ 0.1912, 0.6070,
0.3930

■ 80.0932, 0.3551,
0.3626

■ 80.0932, 0.3551,
0.3626

■ 72.8699, 0.3766,
0.3773

■ 87.9542, 0.3358,
0.3481

■ 66.2549, 0.4002,
0.3917

■ 96.4597, 0.3188,
0.3342

■ 60.2320, 0.4254,
0.4047

99.9939, 0.3127,
0.3290

■ 54.7801, 0.4515,
0.4154

■ 49.8763, 0.4770,
0.4223

■ 45.4950, 0.5006,
0.4243

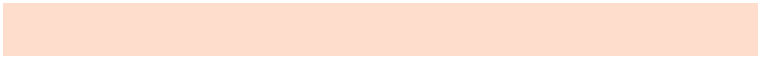
■ 41.6069, 0.5206,
0.4208

■ 39.4618, 0.5312,
0.4164

Harmonies

Analogous

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



80.0932, 0.3594, 0.3462



80.0932, 0.3551, 0.3626



80.0932, 0.3392, 0.3706

Triad

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



80.0932, 0.3551, 0.3626



80.0932, 0.2760, 0.3300



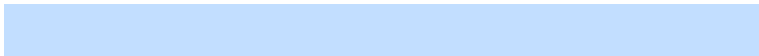
80.0932, 0.3074, 0.2946

Complementary

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



80.0932, 0.3551, 0.3626



70.8947, 0.2743, 0.2929

Split Complementary

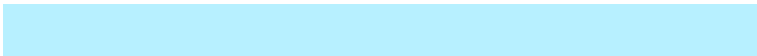
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0932, 0.2858, 0.2897



80.0932, 0.3551, 0.3626



80.0932, 0.2682, 0.3090

Square

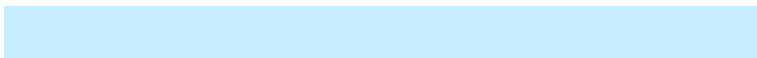
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0932, 0.3551, 0.3626



80.0932, 0.2936, 0.3516



80.0932, 0.2717, 0.2946



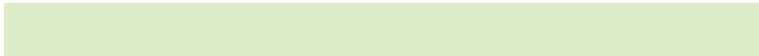
80.0932, 0.3313, 0.3078

Rectangle

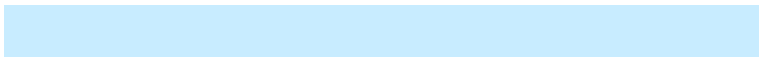
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0932, 0.3551, 0.3626



80.0932, 0.3245, 0.3695



80.0932, 0.2717, 0.2946



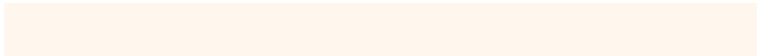
80.0932, 0.2996, 0.2919

Sweetspot

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



80.0968, 0.3551, 0.3626



93.7939, 0.3238, 0.3384



65.1299, 0.3399, 0.3001



19.9645, 0.3248, 0.3392



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.



80.0968, 0.3551, 0.3626



76.3673, 0.3658, 0.3701



96.2646, 0.3476, 0.3892



19.6174, 0.3281, 0.3419



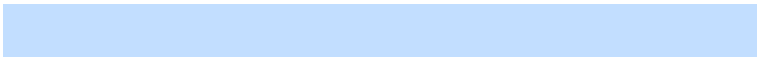
20.9278, 0.5288, 0.4183



2.2563, 0.5129, 0.4309

Inverse Universe

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



70.8947, 0.2743, 0.2929



65.6220, 0.2657, 0.2840



57.5345, 0.2730, 0.2613



18.7495, 0.2979, 0.3158



10.6957, 0.1733, 0.1437



1.2568, 0.1793, 0.1653

Previews

White Background



This preview shows how the Yxy color 80.0932, 0.3551, 0.3626 looks on a white background.

Color Contrast Check

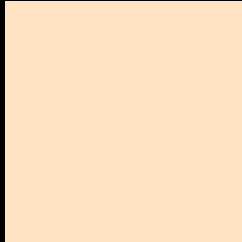
Large Text (above 18pt) WCAG AA × Fail

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 80.0932, 0.3551, 0.3626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

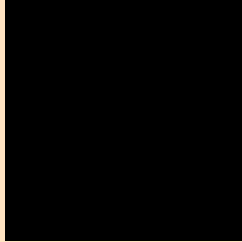
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0932, 0.3551, 0.3626

Background



This preview shows how black text looks on a background with the Yxy color 80.0932, 0.3551, 0.3626.



This preview shows how white text looks on a background with the Yxy color 80.0932, 0.3551, 0.3626.

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

80.0932, 0.3551, 0.3626

Protanopia

80.3704, 0.3448, 0.3654

Deuteranopia

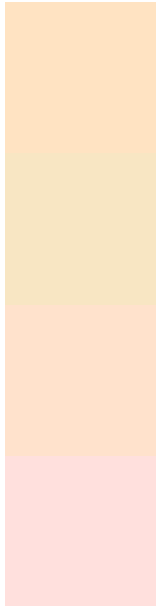
80.2562, 0.3449, 0.3462



Tritanopia

80.1498, 0.3261, 0.3152

Trichromacy



Original Color

80.0932, 0.3551, 0.3626

Protanomaly

80.4902, 0.3486, 0.3651

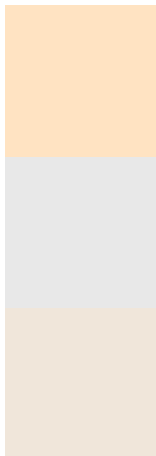
Deuteranomaly

80.0123, 0.3484, 0.3513

Tritanomaly

79.7918, 0.3369, 0.3321

Monochromacy



Original Color

80.0932, 0.3551, 0.3626

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.1808, 0.3274, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0932, 0.3551, 0.3626 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 194) }
```

Border

The CSS property to change the border of an element to Yxy 80.0932, 0.3551, 0.3626 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, 194) }
```

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

```
.border{ border-color:rgb(255, 227, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0932, 0.3551, 0.3626 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, 194) }
```

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

```
.background{ background-color: rgb(255,  
227, 194) }
```

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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