

Converting Colors

$Y_{xy}(92.1114, 0.3436, 0.3620)$

Have a look what the booklet for
Yxy(92.1114, 0.3436, 0.3620)
contains.

Yxy(91.2680, 0.3404, 0.3627)	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(91.2680, 0.3404, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5D3
RGB	255, 245, 211
RGB Percent	100%, 96%, 83%
CMY	0.0000, 0.0392, 0.1727
CMYK	0.00, 0.04, 0.17, 0.00
HSL	46°, 100%, 91%
HSV	46°, 17%, 100%
XYZ	85.6565, 91.2680, 74.7104
YIQ	244.1140, 16.8740, -8.4540

Conversions

Conversions Part 2

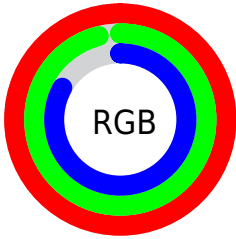
Format	Color
R_{YB}	224, 255, 211
Decimal	16774611
CIE Lab	96.52, -2.04, 17.60
CIE LCh	97, 17.716, 96.618
Yxy	91.2680, 0.3404, 0.3627
Android (android.graphics.Color)	4294964691 (0xFFFFF5D3)
YUV	244.1140, -16.3252, 9.5470
Hunter-Lab	95.5343, -7.1410, 20.5076

Details

The Yxy color **91.2680, 0.3404, 0.3627** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.7640, 0.2848, 0.2929**, and the grayscale version is **90.6816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.8013, 0.3465, 0.3707** is the 20% darker color. If you saturate the color by 10%, you get **86.6361, 0.3579, 0.3830**, and if you desaturate by 10%, it is **96.2075, 0.3239, 0.3429**.

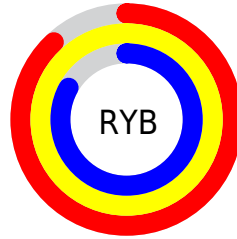
Distribution



Red (100%)

Green (96%)

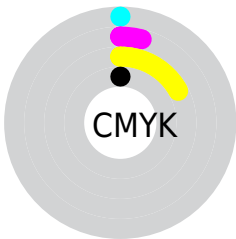
Blue (83%)



Red (88%)

Yellow (100%)

Blue (83%)

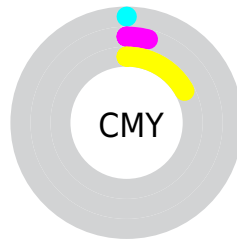


Cyan (0%)

Magenta (4%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.2680, 0.3404, 0.3627 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 91.2680, 0.3404, 0.3627 by changing the saturation by 10% instead.

 91.2680, 0.3404,
0.3627

 91.2680, 0.3404,
0.3627

532.1470, 0.3282,
0.3477

 69.0328, 0.3431,
0.3660


149.0985, 0.3363,
0.3576

 50.7384, 0.3463,
0.3700


185.4625, 0.3346,
0.3556

 36.0005, 0.3503,
0.3750


227.3049, 0.3332,
0.3538

 24.4346, 0.3553,
0.3813

275.0102, 0.3319,
0.3523

 15.6563, 0.3619,
0.3896

328.9626, 0.3308,
0.3509

 9.2813, 0.3708,
0.4009

389.5466, 0.3298,

 4.9251, 0.3834,

0.3497

0.4172

457.1466, 0.3289,
0.3487

■ 2.2034, 0.4034,
0.4435

■ 0.7218, 0.4685,
0.5315

■ 91.2680, 0.3404,
0.3627

■ 91.2680, 0.3404,
0.3627

■ 86.6361, 0.3579,
0.3830

■ 96.2075, 0.3239,
0.3429

■ 82.3088, 0.3762,
0.4030

100.0000, 0.3127,
0.3290

■ 78.2723, 0.3948,
0.4220

■ 74.5142, 0.4128,
0.4390

■ 71.0211, 0.4296,
0.4528

■ 67.7776, 0.4443,
0.4625

■ 64.7661, 0.4562,
0.4675

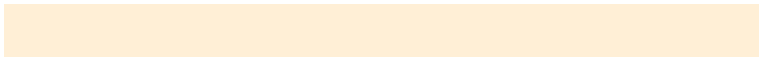
■ 61.9638, 0.4651,
0.4677

■ 61.2251, 0.4672,
0.4672

Harmonies

Analogous

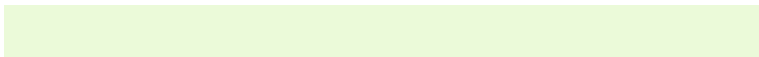
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2680, 0.3507, 0.3534



91.2680, 0.3404, 0.3627



91.2680, 0.3228, 0.3628

Triad

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



91.2680, 0.3404, 0.3627



91.2680, 0.2763, 0.3179



91.2680, 0.3218, 0.3067

Complementary

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



91.2680, 0.3404, 0.3627



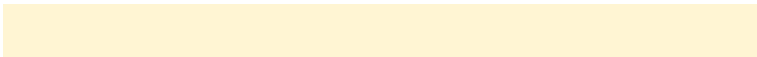
72.7640, 0.2848, 0.2929

Split Complementary

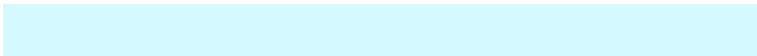
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.2680, 0.3018, 0.2976



91.2680, 0.3404, 0.3627



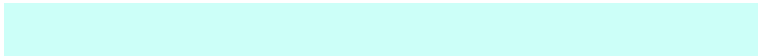
91.2680, 0.2760, 0.3034

Square

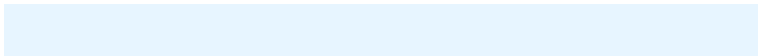
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.2680, 0.3404, 0.3627



91.2680, 0.2860, 0.3362



91.2680, 0.2852, 0.2963



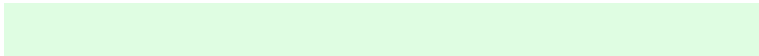
91.2680, 0.3398, 0.3213

Rectangle

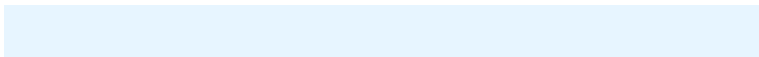
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.2680, 0.3404, 0.3627



91.2680, 0.3094, 0.3573



91.2680, 0.2852, 0.2963



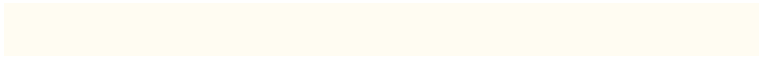
91.2680, 0.3150, 0.3029

Sweetspot

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



91.2655, 0.3404, 0.3627



97.3717, 0.3203, 0.3385



73.0683, 0.3385, 0.3187



20.7639, 0.3214, 0.3399



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.



91.2655, 0.3404, 0.3627



89.5008, 0.3468, 0.3702



95.3226, 0.3311, 0.3732



20.3496, 0.3275, 0.3473



32.2271, 0.4663, 0.4680



3.3007, 0.4598, 0.4731

Inverse Universe

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



72.7640, 0.2848, 0.2929



67.5984, 0.2782, 0.2841



69.4372, 0.2922, 0.2830



18.0470, 0.2979, 0.3101



5.5330, 0.1567, 0.0841



0.6945, 0.1623, 0.1042

Previews

White Background



This preview shows how the Yxy color 91.2680, 0.3404, 0.3627 looks on a white background.

Color Contrast Check

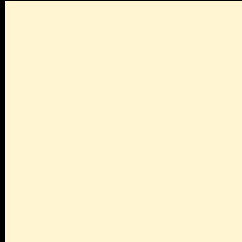
Large Text (above 18pt) WCAG AA × Fail

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 91.2680, 0.3404, 0.3627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

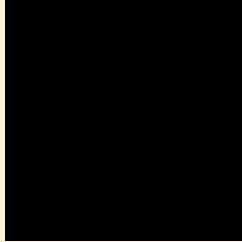
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.2680, 0.3404, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 91.2680, 0.3404, 0.3627.



This preview shows how white text looks on a background with the Yxy color 91.2680, 0.3404, 0.3627.

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

91.2680, 0.3404, 0.3627

Protanopia

90.9711, 0.3367, 0.3557

Deuteranopia

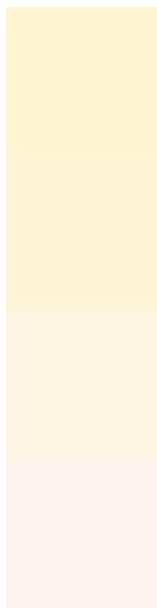
91.4756, 0.3243, 0.3349



Tritanopia

91.2624, 0.3146, 0.3175

Trichromacy



Original Color

91.2680, 0.3404, 0.3627

Protanomaly

90.8677, 0.3380, 0.3577

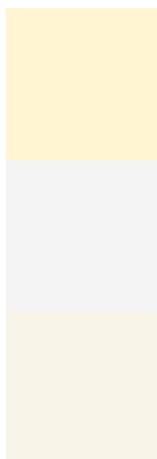
Deuteranomaly

91.5628, 0.3298, 0.3447

Tritanomaly

90.9373, 0.3237, 0.3329

Monochromacy



Original Color

91.2680, 0.3404, 0.3627

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.4840, 0.3226, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.2680, 0.3404, 0.3627 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, 245, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 211)  
}
```

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, 245, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 211) }
```

Border

The CSS property to change the border of an element to Yxy 91.2680, 0.3404, 0.3627 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, 245, 211) }
```

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

```
.border{ border-color:rgb(255, 245, 211) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 91.2680, 0.3404, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 211) }
```

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

```
.background{ background-color: rgb(255,  
245, 211) }
```

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