

Converting Colors

$Y_{xy}(100.0000, 0.3746, 0.3435)$

Have a look what the booklet for
Yxy(100.0000, 0.3746, 0.3435)
contains.

Yxy(87.6295, 0.3350, 0.3459)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.6295, 0.3350, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	FFFEEDD
RGB	255, 238, 221
RGB Percent	100%, 93%, 87%
CMY	0.0000, 0.0667, 0.1334
CMYK	0.00, 0.07, 0.13, 0.00
HSL	30°, 100%, 93%
HSV	30°, 13%, 100%
XYZ	84.8681, 87.6295, 80.8401
YIQ	241.1450, 15.5890, -1.6830

Conversions

Conversions Part 2

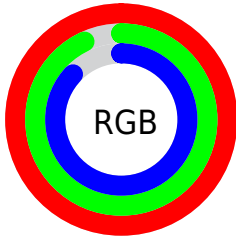
Format	Color
R _Y B	255, 255, 221
Decimal	16772829
CIE Lab	95.00, 3.00, 10.29
CIE LCh	95, 10.717, 73.719
Yxy	87.6295, 0.3350, 0.3459
Android (android.graphics.Color)	4294962909 (0xFFFFEEDD)
YUV	241.1450, -9.9315, 12.1508
Hunter-Lab	93.6106, -1.9891, 14.3259

Details

The Yxy color **87.6295, 0.3350, 0.3459** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.7327, 0.2918, 0.3115**, and the grayscale version is **88.1533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2148, 0.3398, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **79.2126, 0.3545, 0.3593**, and if you desaturate by 10%, it is **96.7805, 0.3179, 0.3331**.

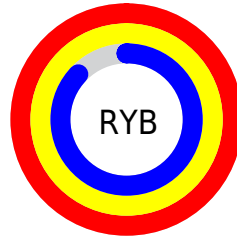
Distribution



Red (100%)

Green (93%)

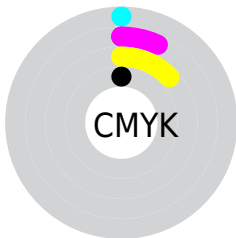
Blue (87%)



Red (100%)

Yellow (100%)

Blue (87%)

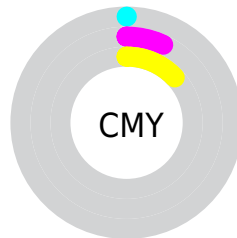


Cyan (0%)

Magenta (7%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6295, 0.3350, 0.3459 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 87.6295, 0.3350, 0.3459 by changing the saturation by 10% instead.


 87.6295, 0.3350,
0.3459

 87.6295, 0.3350,
0.3459


520.2892, 0.3250,
0.3384

 66.0163, 0.3372,
0.3475

144.0412, 0.3316,
0.3434

 48.2856, 0.3399,
0.3495


179.6085, 0.3302,
0.3423

 34.0531, 0.3433,
0.3520

220.5960, 0.3291,
0.3415

 22.9344, 0.3476,
0.3552

267.3879, 0.3281,
0.3407

 14.5451, 0.3534,
0.3593

320.3689, 0.3272,
0.3400

 8.5007, 0.3614,
0.3650

379.9231, 0.3264,

 4.4170, 0.3732,

0.3394

0.3733

446.4351, 0.3256,
0.3389

■ 1.9095, 0.3924,
0.3862

■ 0.5541, 0.5199,
0.4801

■ 87.6295, 0.3350,
0.3459

■ 87.6295, 0.3350,
0.3459

■ 79.2126, 0.3545,
0.3593

■ 96.7805, 0.3179,
0.3331

■ 71.5063, 0.3765,
0.3730

100.0000, 0.3127,
0.3290

■ 64.4906, 0.4009,
0.3864

■ 58.1430, 0.4274,
0.3986

■ 52.4397, 0.4551,
0.4085

■ 47.3549, 0.4828,
0.4147

■ 42.8598, 0.5086,
0.4162

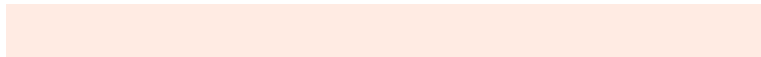
■ 38.9222, 0.5309,
0.4120

■ 36.5827, 0.5435,
0.4066

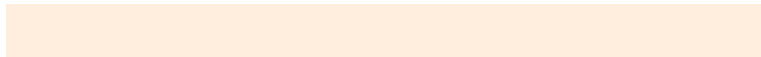
Harmonies

Analogous

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



87.6295, 0.3364, 0.3373



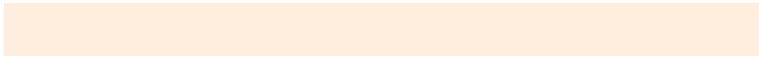
87.6295, 0.3350, 0.3459



87.6295, 0.3275, 0.3501

Triad

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



87.6295, 0.3350, 0.3459



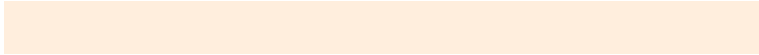
87.6295, 0.2944, 0.3308



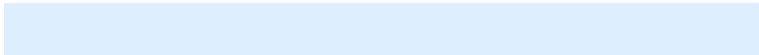
87.6295, 0.3089, 0.3104

Complementary

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



87.6295, 0.3350, 0.3459



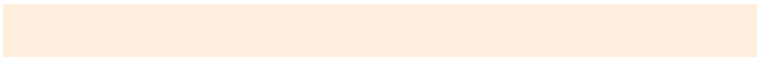
83.7327, 0.2918, 0.3115

Split Complementary

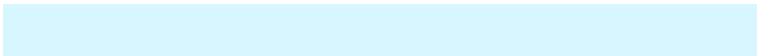
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6295, 0.2979, 0.3084



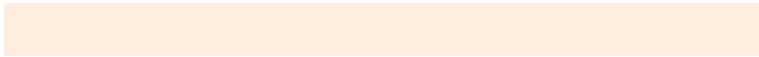
87.6295, 0.3350, 0.3459



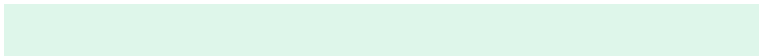
87.6295, 0.2896, 0.3200

Square

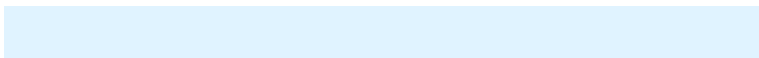
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6295, 0.3350, 0.3459



87.6295, 0.3040, 0.3414



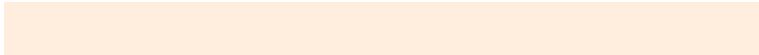
87.6295, 0.2909, 0.3118



87.6295, 0.3212, 0.3171

Rectangle

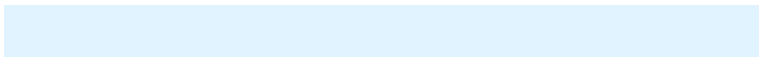
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.6295, 0.3350, 0.3459



87.6295, 0.3202, 0.3498



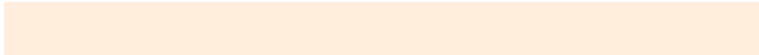
87.6295, 0.2909, 0.3118



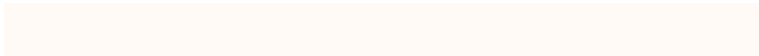
87.6295, 0.3049, 0.3092

Sweetspot

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



87.6307, 0.3350, 0.3459



96.1508, 0.3190, 0.3339



79.1408, 0.3256, 0.3122



20.4282, 0.3202, 0.3349



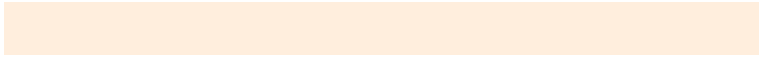
0.0000, 0.0000, 0.0000



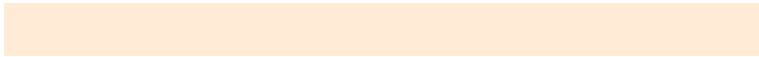
21.4041, 0.3127, 0.3290

Same Dimension

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



87.6307, 0.3350, 0.3459



85.3182, 0.3399, 0.3494



98.0000, 0.3328, 0.3621



19.4884, 0.3282, 0.3409



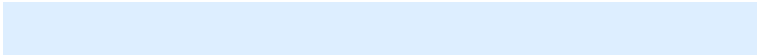
19.4139, 0.5410, 0.4086



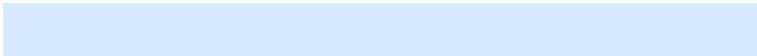
2.1087, 0.5234, 0.4226

Inverse Universe

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



83.7327, 0.2918, 0.3115



80.7290, 0.2875, 0.3077



74.2987, 0.2913, 0.2936



18.8778, 0.2979, 0.3168



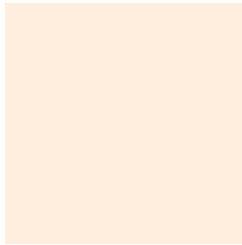
12.0625, 0.1770, 0.1573



1.3929, 0.1828, 0.1779

Previews

White Background



This preview shows how the Yxy color 87.6295, 0.3350, 0.3459 looks on a white background.

Color Contrast Check

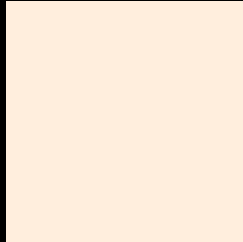
Large Text (above 18pt) WCAG AA × Fail

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 87.6295, 0.3350, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

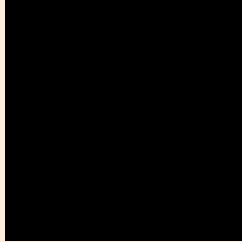
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6295, 0.3350, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 87.6295, 0.3350, 0.3459.

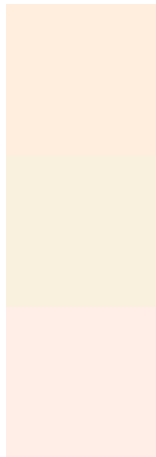


This preview shows how white text looks on a background with the Yxy color 87.6295, 0.3350, 0.3459.

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

87.6295, 0.3350, 0.3459

Protanopia

87.7338, 0.3300, 0.3471

Deuteranopia

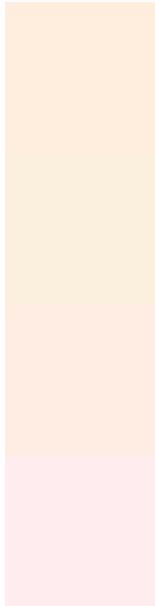
87.6546, 0.3280, 0.3340



Tritanopia

87.5162, 0.3174, 0.3154

Trichromacy



Original Color

87.6295, 0.3350, 0.3459

Protanomaly

87.5162, 0.3315, 0.3460

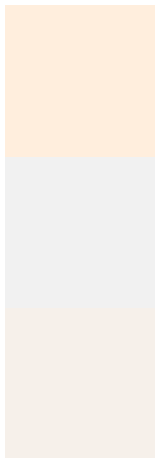
Deuteranomaly

87.4298, 0.3306, 0.3379

Tritanomaly

87.4829, 0.3236, 0.3261

Monochromacy



Original Color

87.6295, 0.3350, 0.3459

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.8535, 0.3204, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6295, 0.3350, 0.3459 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, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 221)  
}
```

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, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 221) }
```

Border

The CSS property to change the border of an element to Yxy 87.6295, 0.3350, 0.3459 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, 238, 221) }
```

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

```
.border{ border-color:rgb(255, 238, 221) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6295, 0.3350, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 221) }
```

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

```
.background{ background-color: rgb(255,  
238, 221) }
```

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