

Converting Colors

$Yxy(99.6097, 0.3646, 0.3464)$

Have a look what the booklet for
Yxy(99.6097, 0.3646, 0.3464)
contains.

Yxy(90.0382, 0.3338, 0.3488)	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(90.0382, 0.3338, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2DE
RGB	255, 242, 222
RGB Percent	100%, 95%, 87%
CMY	0.0001, 0.0509, 0.1295
CMYK	0.00, 0.05, 0.13, 0.00
HSL	36°, 100%, 94%
HSV	36°, 13%, 100%
XYZ	86.1661, 90.0382, 81.9327
YIQ	243.6070, 14.1680, -3.4640

Conversions

Conversions Part 2

Format	Color
R_{YB}	243, 255, 222
Decimal	16773854
CIE Lab	96.01, 1.10, 11.21
CIE LCh	96, 11.267, 84.385
Yxy	90.0382, 0.3338, 0.3488
Android (android.graphics.Color)	4294963934 (0xFFFFF2DE)
YUV	243.6070, -10.6523, 9.9917
Hunter-Lab	94.8885, -3.9628, 15.2272

Details

The Yxy color **90.0382, 0.3338, 0.3488** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.1242, 0.2923, 0.3084**, and the grayscale version is **90.2135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9136, 0.3382, 0.3530** is the 20% darker color. If you saturate the color by 10%, you get **82.9793, 0.3523, 0.3649**, and if you desaturate by 10%, it is **97.6380, 0.3172, 0.3334**.

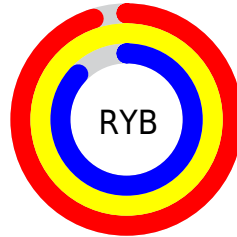
Distribution



Red (100%)

Green (95%)

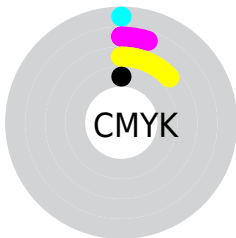
Blue (87%)



Red (95%)

Yellow (100%)

Blue (87%)



Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0382, 0.3338, 0.3488 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 90.0382, 0.3338, 0.3488 by changing the saturation by 10% instead.


 90.0382, 0.3338,
0.3488

 90.0382, 0.3338,
0.3488


528.1551, 0.3244,
0.3400

 68.0123, 0.3359,
0.3507


147.3915, 0.3306,
0.3458

 49.9078, 0.3384,
0.3531


183.4876, 0.3293,
0.3446

 35.3401, 0.3415,
0.3560


225.0427, 0.3282,
0.3436

 23.9250, 0.3455,
0.3597

272.4410, 0.3273,
0.3427

 15.2780, 0.3508,
0.3645

326.0670, 0.3264,
0.3419

 9.0147, 0.3581,
0.3712

386.3051, 0.3257,

 4.7508, 0.3687,

0.3412

0.3809

453.5397, 0.3250,
0.3406

■ 2.1018, 0.3856,
0.3961

■ 0.6656, 0.4977,
0.5023

■ 90.0382, 0.3338,
0.3488

■ 90.0382, 0.3338,
0.3488

■ 82.9793, 0.3523,
0.3649

■ 97.6380, 0.3172,
0.3334

■ 76.4350, 0.3726,
0.3813

99.9940, 0.3127,
0.3290

■ 70.3939, 0.3946,
0.3973

■ 64.8399, 0.4176,
0.4120

■ 59.7554, 0.4410,
0.4243

■ 55.1213, 0.4636,
0.4330

■ 50.9162, 0.4842,
0.4370

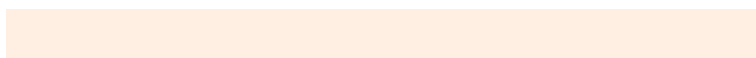
■ 47.1152, 0.5015,
0.4356

■ 44.6512, 0.5118,
0.4318

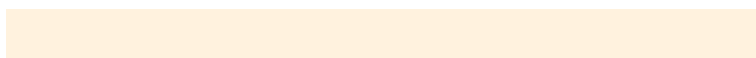
Harmonies

Analogous

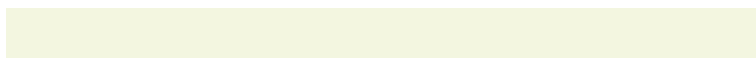
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0382, 0.3377, 0.3412



90.0382, 0.3338, 0.3488



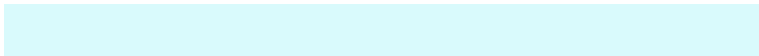
90.0382, 0.3242, 0.3512

Triad

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



90.0382, 0.3338, 0.3488



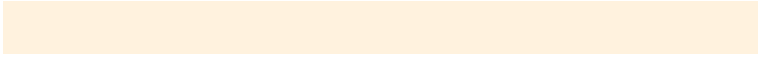
90.0382, 0.2912, 0.3267



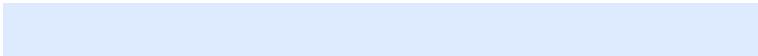
90.0382, 0.3133, 0.3116

Complementary

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



90.0382, 0.3338, 0.3488



82.1242, 0.2923, 0.3084

Split Complementary

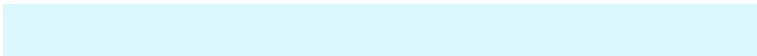
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0382, 0.3010, 0.3077



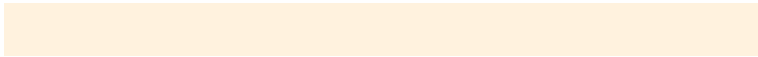
90.0382, 0.3338, 0.3488



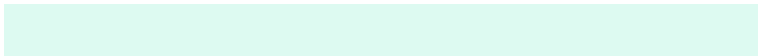
90.0382, 0.2884, 0.3161

Square

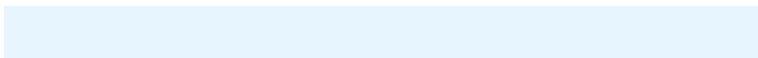
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0382, 0.3338, 0.3488



90.0382, 0.2996, 0.3383



90.0382, 0.2919, 0.3092



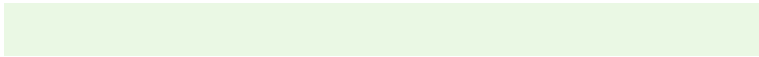
90.0382, 0.3258, 0.3199

Rectangle

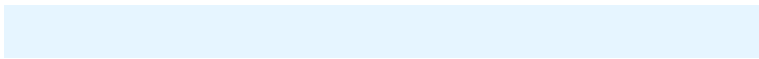
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0382, 0.3338, 0.3488



90.0382, 0.3160, 0.3493



90.0382, 0.2919, 0.3092



90.0382, 0.3090, 0.3097

Sweetspot

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



90.0422, 0.3338, 0.3488



96.8318, 0.3189, 0.3350



79.4967, 0.3274, 0.3160



20.6005, 0.3201, 0.3361



0.0000, 0.0000, 0.0000



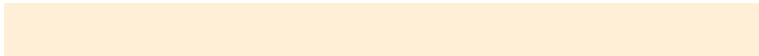
21.4041, 0.3127, 0.3290

Same Dimension

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



90.0422, 0.3338, 0.3488



87.8473, 0.3393, 0.3537



97.4067, 0.3300, 0.3613



19.8233, 0.3279, 0.3434



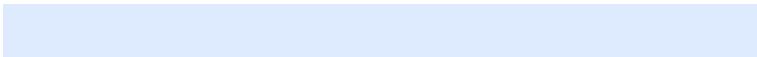
23.6370, 0.5099, 0.4333



2.5144, 0.4967, 0.4438

Inverse Universe

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



82.1242, 0.2923, 0.3084



78.2617, 0.2873, 0.3030



75.5053, 0.2942, 0.2950



18.5476, 0.2979, 0.3142



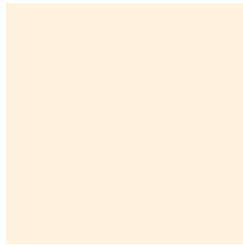
8.8167, 0.1677, 0.1237



1.0638, 0.1739, 0.1461

Previews

White Background



This preview shows how the Yxy color 90.0382, 0.3338, 0.3488 looks on a white background.

Color Contrast Check

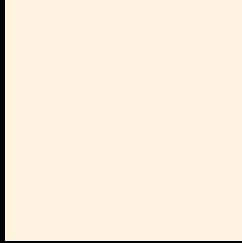
Large Text (above 18pt) WCAG AA × Fail

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 90.0382, 0.3338, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

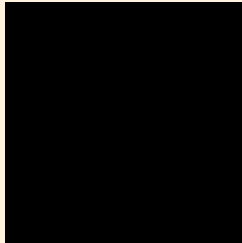
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.0382, 0.3338, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 90.0382, 0.3338, 0.3488.

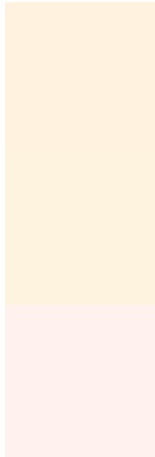


This preview shows how white text looks on a background with the Yxy color 90.0382, 0.3338, 0.3488.

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

90.0382, 0.3338, 0.3488

Protanopia

90.2578, 0.3323, 0.3498

Deuteranopia

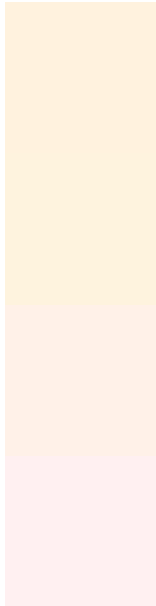
90.2850, 0.3244, 0.3329



Tritanopia

90.0213, 0.3153, 0.3165

Trichromacy



Original Color

90.0382, 0.3338, 0.3488

Protanomaly

90.4459, 0.3330, 0.3498

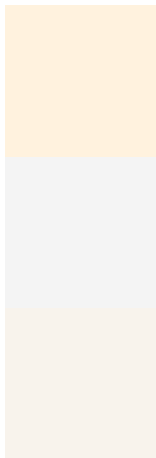
Deuteranomaly

89.9968, 0.3276, 0.3379

Tritanomaly

89.9311, 0.3220, 0.3281

Monochromacy



Original Color

90.0382, 0.3338, 0.3488

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.1138, 0.3202, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0382, 0.3338, 0.3488 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, 242, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 222)  
}
```

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, 242, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 222) }
```

Border

The CSS property to change the border of an element to Yxy 90.0382, 0.3338, 0.3488 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, 242, 222) }
```

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

```
.border{ border-color:rgb(255, 242, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0382, 0.3338, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 222) }
```

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

```
.background{ background-color: rgb(255,  
242, 222) }
```

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