

# Converting Colors

$Y_{xy}(100.0000, 0.3643, 0.3459)$

Have a look what the booklet for  
Yxy(100.0000, 0.3643, 0.3459)  
contains.

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# Color

**Yxy(90.0920, 0.3332, 0.3478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2DF
RGB	255, 242, 223
RGB Percent	100%, 95%, 87%
CMY	0.0000, 0.0510, 0.1256
CMYK	0.00, 0.05, 0.13, 0.00
HSL	36°, 100%, 94%
HSV	36°, 13%, 100%
XYZ	86.3101, 90.0920, 82.6318
YIQ	243.7210, 13.8470, -3.1530

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	245, 255, 223
Decimal	16773855
CIE Lab	96.03, 1.28, 10.74
CIE LCh	96, 10.811, 83.224
Yxy	90.0920, 0.3332, 0.3478
Android (android.graphics.Color)	4294963935 (0xFFFFF2DF)
YUV	243.7210, -10.2155, 9.8917
Hunter-Lab	94.9168, -3.7901, 14.8256

# Details

The Yxy color **90.0920, 0.3332, 0.3478** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.8748, 0.2930, 0.3095**, and the grayscale version is **90.3071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9507, 0.3374, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **82.8358, 0.3517, 0.3636**, and if you desaturate by 10%, it is **97.9087, 0.3166, 0.3327**.

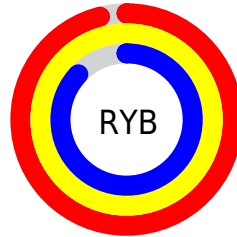
# Distribution



Red (100%)

Green (95%)

Blue (87%)



Red (96%)

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 90.0920, 0.3332, 0.3478 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 90.0920, 0.3332, 0.3478 by changing the saturation by 10% instead.



 90.0920, 0.3332,  
0.3478

 90.0920, 0.3332,  
0.3478

528.3301, 0.3241,  
0.3395

 68.0570, 0.3352,  
0.3496

147.4662, 0.3301,  
0.3450

 49.9441, 0.3377,  
0.3518

183.5741, 0.3289,  
0.3439

 35.3690, 0.3407,  
0.3546


225.1418, 0.3278,  
0.3429

 23.9472, 0.3446,  
0.3581

272.5536, 0.3269,  
0.3420

 15.2945, 0.3497,  
0.3627

326.1939, 0.3260,  
0.3413

 9.0263, 0.3568,  
0.3691

386.4472, 0.3253,

 4.7584, 0.3672,

0.3406

0.3782

453.6978, 0.3247,  
0.3400

■ 2.1062, 0.3837,  
0.3927

■ 0.6681, 0.4993,  
0.5007

■ 90.0920, 0.3332,  
0.3478

■ 90.0920, 0.3332,  
0.3478

■ 82.8358, 0.3517,  
0.3636

■ 97.9087, 0.3166,  
0.3327

■ 76.1177, 0.3722,  
0.3796

100.0000, 0.3127,  
0.3290

■ 69.9244, 0.3943,  
0.3953

■ 64.2390, 0.4178,  
0.4098

■ 59.0437, 0.4417,  
0.4220

■ 54.3185, 0.4649,  
0.4306

■ 50.0417, 0.4862,  
0.4345

■ 46.1878, 0.5043,  
0.4330

■ 43.5703, 0.5156,  
0.4288

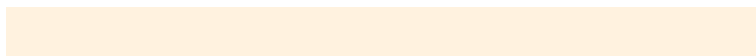
# Harmonies

## Analogous

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



90.0920, 0.3367, 0.3404



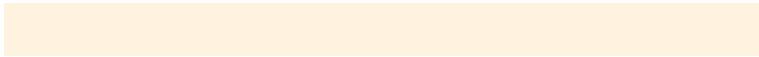
90.0920, 0.3332, 0.3478



90.0920, 0.3242, 0.3503

# Triad

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



90.0920, 0.3332, 0.3478



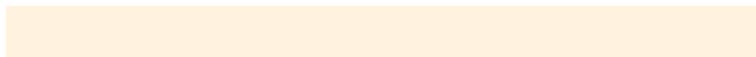
90.0920, 0.2923, 0.3273



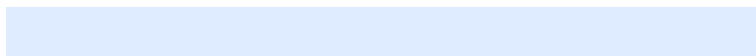
90.0920, 0.3128, 0.3121

# Complementary

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



90.0920, 0.3332, 0.3478



82.8748, 0.2930, 0.3095

# Split Complementary

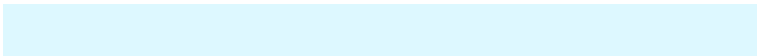
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0920, 0.3011, 0.3085



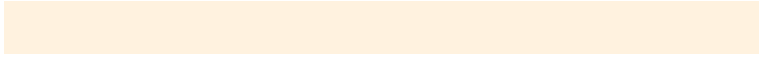
90.0920, 0.3332, 0.3478



90.0920, 0.2893, 0.3170

# Square

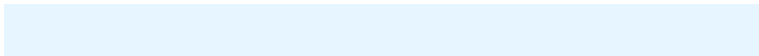
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0920, 0.3332, 0.3478



90.0920, 0.3006, 0.3383



90.0920, 0.2925, 0.3102

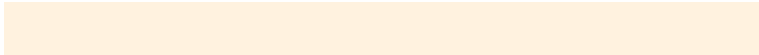


90.0920, 0.3248, 0.3199



# Rectangle

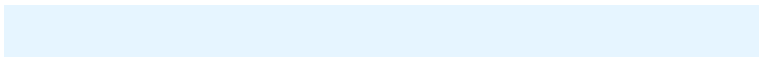
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0920, 0.3332, 0.3478



90.0920, 0.3164, 0.3486



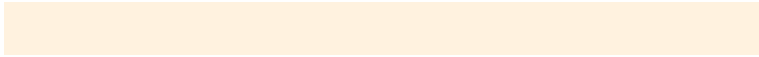
90.0920, 0.2925, 0.3102



90.0920, 0.3087, 0.3103

# Sweetspot

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



90.0945, 0.3332, 0.3478



96.7485, 0.3189, 0.3348



80.0953, 0.3265, 0.3158



20.5795, 0.3201, 0.3360



0.0000, 0.0000, 0.0000

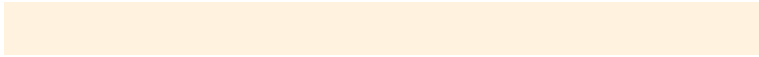


21.4041, 0.3127, 0.3290

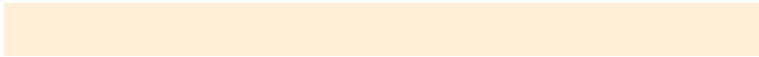


# Same Dimension

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



90.0945, 0.3332, 0.3478



88.2726, 0.3375, 0.3516



97.6035, 0.3298, 0.3603



19.7822, 0.3279, 0.3431



23.0672, 0.5136, 0.4304

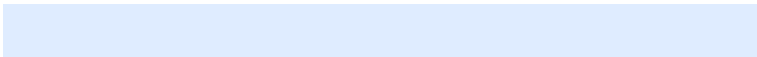


2.4606, 0.4999, 0.4413



# Inverse Universe

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



82.8748, 0.2930, 0.3095



79.7975, 0.2890, 0.3053



76.0915, 0.2944, 0.2960



18.5876, 0.2979, 0.3145



9.1631, 0.1688, 0.1275

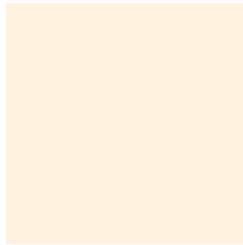


1.1001, 0.1750, 0.1498



# Previews

## White Background



This preview shows how the Yxy color 90.0920, 0.3332, 0.3478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

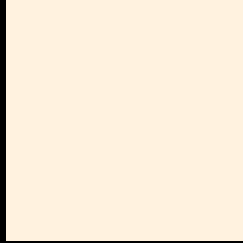
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.0920, 0.3332, 0.3478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

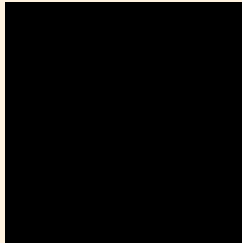
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.0920, 0.3332, 0.3478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.0920, 0.3332, 0.3478.

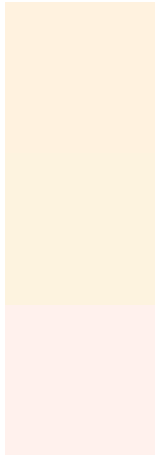


This preview shows how white text looks on a background with the Yxy color 90.0920, 0.3332, 0.3478.

# 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

90.0920, 0.3332, 0.3478

### Protanopia

90.3115, 0.3317, 0.3488

### Deuteranopia

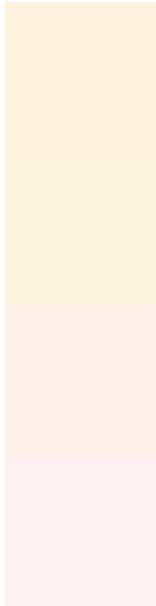
90.2850, 0.3244, 0.3329



## Tritanopia

90.0213, 0.3153, 0.3165

# Trichromacy



## Original Color

90.0920, 0.3332, 0.3478

## Protanomaly

90.4997, 0.3324, 0.3488

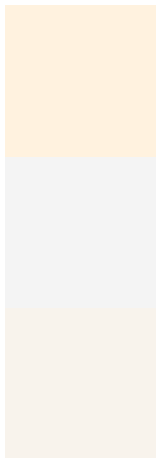
## Deuteranomaly

89.9968, 0.3276, 0.3379

## Tritanomaly

89.9311, 0.3220, 0.3281

# Monochromacy



## Original Color

90.0920, 0.3332, 0.3478

## 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 90.0920, 0.3332, 0.3478 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 90.0920, 0.3332, 0.3478 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, 223) }
```

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

```
.border{ border-color:rgb(255, 242, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.0920, 0.3332, 0.3478 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
242, 223) }
```

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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