

Converting Colors

$Y_{xy}(83.2517, 0.3576, 0.3745)$

Have a look what the booklet for
Yxy(83.2517, 0.3576, 0.3745)
contains.

Yxy(83.1687, 0.3578, 0.3745)	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(83.1687, 0.3578, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9BC
RGB	255, 233, 188
RGB Percent	100%, 91%, 74%
CMY	0.0000, 0.0863, 0.2627
CMYK	0.00, 0.09, 0.26, 0.00
HSL	40°, 100%, 87%
HSV	40°, 26%, 100%
XYZ	79.4600, 83.1687, 59.4506
YIQ	234.4480, 27.5570, -9.3310

Conversions

Conversions Part 2

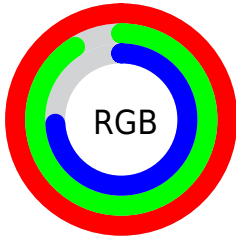
Format	Color
R _Y B	221, 255, 188
Decimal	16771516
CIE Lab	93.09, 0.81, 24.62
CIE LCh	93, 24.630, 88.109
Yxy	83.1687, 0.3578, 0.3745
Android (android.graphics.Color)	4294961596 (0xFFFFE9BC)
YUV	234.4480, -22.8989, 18.0241
Hunter-Lab	91.1969, -4.0672, 25.1871

Details

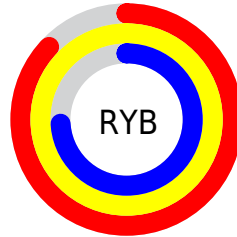
The Yxy color **83.1687, 0.3578, 0.3745** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.0141, 0.2694, 0.2789**, and the grayscale version is **82.7995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **45.1993, 0.3678, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **77.5363, 0.3776, 0.3923**, and if you desaturate by 10%, it is **89.2241, 0.3393, 0.3567**.

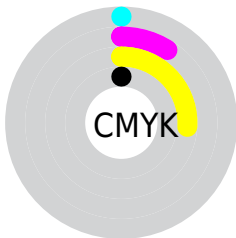
Distribution



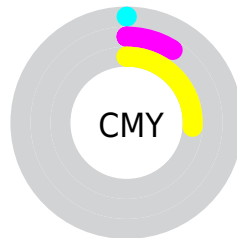
- Red (100%)
- Green (91%)
- Blue (74%)



- Red (87%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (9%)
- Yellow (26%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1687, 0.3578, 0.3745 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 83.1687, 0.3578, 0.3745 by changing the saturation by 10% instead.


 83.1687, 0.3578,
0.3745

 83.1687, 0.3578,
0.3745

505.5486, 0.3375,
0.3541

 62.3293, 0.3623,
0.3790


 137.8117, 0.3509,
0.3676

 45.2989, 0.3677,
0.3844


172.3841, 0.3482,
0.3648

 31.6929, 0.3745,
0.3912

212.3031, 0.3458,
0.3624

 21.1270, 0.3830,
0.3997

257.9528, 0.3437,
0.3604

 13.2169, 0.3942,
0.4108

309.7179, 0.3419,
0.3585

 7.5781, 0.4092,
0.4256

367.9826, 0.3403,

 3.8262, 0.4300,

0.3569

0.4459

433.1314, 0.3388,
0.3554

■ 1.5768, 0.4921,
0.5079

■ 0.3419, 0.5021,
0.4979

■ 83.1687, 0.3578,
0.3745

■ 83.1687, 0.3578,
0.3745

■ 77.5363, 0.3776,
0.3923

■ 89.2241, 0.3393,
0.3567

■ 72.3081, 0.3985,
0.4094

■ 95.7096, 0.3225,
0.3394

■ 67.4717, 0.4197,
0.4248

100.0000, 0.3127,
0.3290

■ 63.0114, 0.4404,
0.4373

■ 58.9099, 0.4595,
0.4458

■ 55.1475, 0.4761,
0.4493

■ 51.7003, 0.4893,
0.4477

■ 50.4823, 0.4937,
0.4462

Harmonies

Analogous

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



83.1687, 0.3689, 0.3576



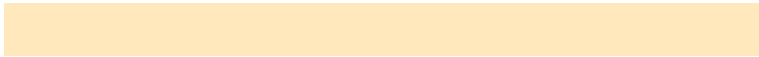
83.1687, 0.3578, 0.3745



83.1687, 0.3346, 0.3795

Triad

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



83.1687, 0.3578, 0.3745



83.1687, 0.2637, 0.3197



83.1687, 0.3172, 0.2929

Complementary

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



83.1687, 0.3578, 0.3745



64.0141, 0.2694, 0.2789

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.



83.1687, 0.2894, 0.2830



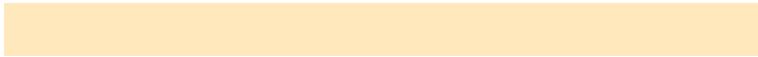
83.1687, 0.3578, 0.3745



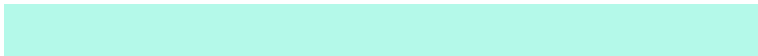
83.1687, 0.2594, 0.2969

Square

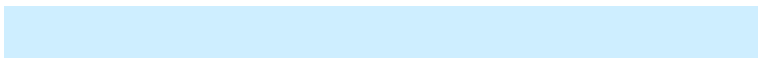
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1687, 0.3578, 0.3745



83.1687, 0.2805, 0.3468



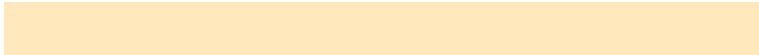
83.1687, 0.2686, 0.2841



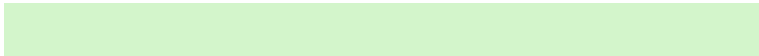
83.1687, 0.3450, 0.3115

Rectangle

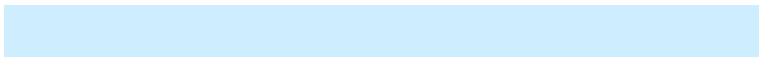
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1687, 0.3578, 0.3745



83.1687, 0.3158, 0.3744



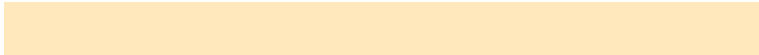
83.1687, 0.2686, 0.2841



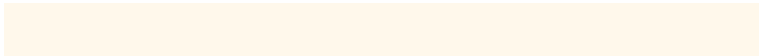
83.1687, 0.3076, 0.2885

Sweetspot

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



83.1706, 0.3578, 0.3745



94.5547, 0.3253, 0.3423



61.9041, 0.3506, 0.3061



20.0262, 0.3277, 0.3449



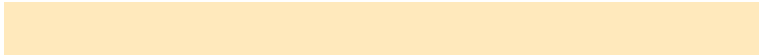
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

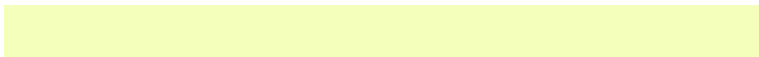
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1706, 0.3578, 0.3745



79.8905, 0.3690, 0.3848



94.3554, 0.3450, 0.3966



20.0262, 0.3277, 0.3449



26.6625, 0.4921, 0.4474



2.7959, 0.4817, 0.4557

Inverse Universe

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



64.0141, 0.2694, 0.2789



57.5504, 0.2591, 0.2660



55.3606, 0.2746, 0.2549



18.3520, 0.2979, 0.3126



7.3065, 0.1629, 0.1063



0.9013, 0.1691, 0.1286

Previews

White Background



This preview shows how the Yxy color 83.1687, 0.3578, 0.3745 looks on a white background.

Color Contrast Check

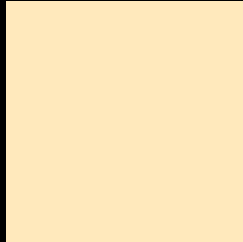
Large Text (above 18pt) WCAG AA × Fail

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 83.1687, 0.3578, 0.3745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

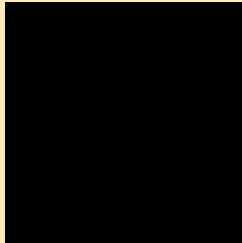
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

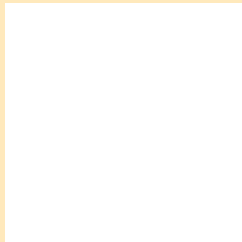
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1687, 0.3578, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 83.1687, 0.3578, 0.3745.



This preview shows how white text looks on a background with the Yxy color 83.1687, 0.3578, 0.3745.

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

83.1687, 0.3578, 0.3745

Protanopia

83.4148, 0.3530, 0.3760

Deuteranopia

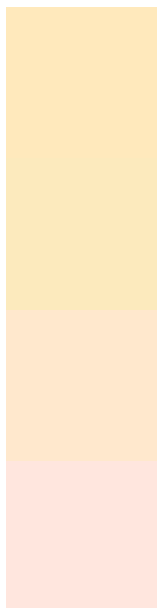
83.2669, 0.3406, 0.3461



Tritanopia

83.0977, 0.3230, 0.3163

Trichromacy



Original Color

83.1687, 0.3578, 0.3745

Protanomaly

83.2152, 0.3547, 0.3748

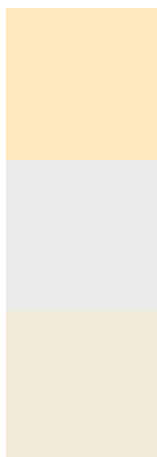
Deuteranomaly

83.3810, 0.3465, 0.3562

Tritanomaly

83.1276, 0.3354, 0.3370

Monochromacy



Original Color

83.1687, 0.3578, 0.3745

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.7326, 0.3290, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1687, 0.3578, 0.3745 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, 233, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 188)  
}
```

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, 233, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 188) }
```

Border

The CSS property to change the border of an element to Yxy 83.1687, 0.3578, 0.3745 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, 233, 188) }
```

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

```
.border{ border-color:rgb(255, 233, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 233, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 233, 188); box-shadow:4px 4px 4px 4px rgb(255, 233, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1687, 0.3578, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 188) }
```

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

```
.background{ background-color: rgb(255,  
233, 188) }
```

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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