

Converting Colors

$Y_{xy}(162.6172, 0.4905, 0.3593)$

Have a look what the booklet for
Yxy(162.6172, 0.4905, 0.3593)
contains.

Yxy(91.4557, 0.3538, 0.3867)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(91.4557, 0.3538, 0.3867)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7BD
RGB	255, 247, 189
RGB Percent	100%, 97%, 74%
CMY	0.0001, 0.0313, 0.2589
CMYK	0.00, 0.03, 0.26, 0.00
HSL	53°, 100%, 87%
HSV	53°, 26%, 100%
XYZ	83.6748, 91.4557, 61.3725
YIQ	242.7800, 23.3860, -16.3420

Conversions

Conversions Part 2

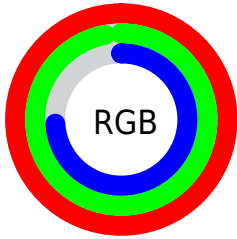
Format	Color
R _Y B	198, 255, 189
Decimal	16775101
CIE Lab	96.60, -6.13, 28.92
CIE LCh	97, 29.566, 101.962
Yxy	91.4557, 0.3538, 0.3867
Android (android.graphics.Color)	4294965181 (0xFFFFF7BD)
YUV	242.7800, -26.5135, 10.7169
Hunter-Lab	95.6325, -11.1762, 28.8931

Details

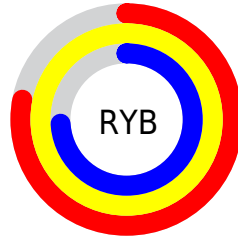
The Yxy color **91.4557, 0.3538, 0.3867** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.9324, 0.2686, 0.2639**, and the grayscale version is **89.6425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **51.0166, 0.3627, 0.3997** is the 20% darker color. If you saturate the color by 10%, you get **88.5853, 0.3704, 0.4091**, and if you desaturate by 10%, it is **94.5599, 0.3374, 0.3640**.

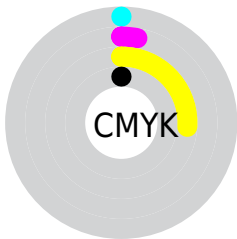
Distribution



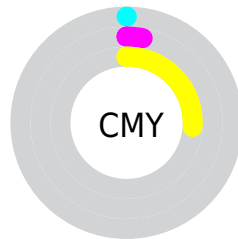
- Red (100%)
- Green (97%)
- Blue (74%)



- Red (78%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (3%)
- Yellow (26%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.4557, 0.3538, 0.3867 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 91.4557, 0.3538, 0.3867 by changing the saturation by 10% instead.


 91.4557, 0.3538,
0.3867

 91.4557, 0.3538,
0.3867


532.7549, 0.3359,
0.3609

 69.1886, 0.3576,
0.3923


 149.3588, 0.3478,
0.3779

 50.8653, 0.3622,
0.3992

185.7636, 0.3454,
0.3745

 36.1015, 0.3678,
0.4076


227.6498, 0.3433,
0.3715

 24.5126, 0.3747,
0.4183


275.4017, 0.3415,
0.3688

 15.7143, 0.3834,
0.4321

329.4038, 0.3398,
0.3665

 9.3222, 0.3945,
0.4506

390.0404, 0.3384,

 4.9519, 0.4086,

0.3644

0.4760

457.6960, 0.3371,
0.3626

■ 2.2191, 0.4540,
0.5460

■ 0.7304, 0.4271,
0.5729

■ 91.4557, 0.3538,
0.3867

■ 91.4557, 0.3538,
0.3867

■ 88.5853, 0.3704,
0.4091

■ 94.5599, 0.3374,
0.3640

■ 85.9259, 0.3867,
0.4302

■ 97.8952, 0.3216,
0.3417

■ 83.4706, 0.4020,
0.4492

99.9937, 0.3127,
0.3290

■ 81.2067, 0.4156,
0.4650

■ 79.1202, 0.4268,
0.4767

■ 77.1948, 0.4353,
0.4838

■ 75.4099, 0.4409,
0.4865

■ 74.7035, 0.4427,
0.4867

Harmonies

Analogous

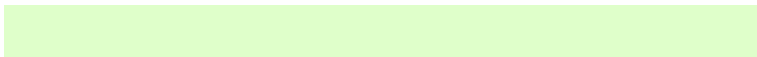
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4557, 0.3742, 0.3723



91.4557, 0.3538, 0.3867



91.4557, 0.3229, 0.3849

Triad

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



91.4557, 0.3538, 0.3867



91.4557, 0.2519, 0.3045



91.4557, 0.3334, 0.2962

Complementary

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



91.4557, 0.3538, 0.3867



57.9324, 0.2686, 0.2639

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.



91.4557, 0.2998, 0.2798



91.4557, 0.3538, 0.3867



91.4557, 0.2542, 0.2832

Square

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



91.4557, 0.3538, 0.3867



91.4557, 0.2648, 0.3349



91.4557, 0.2712, 0.2748



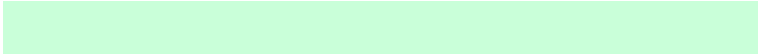
91.4557, 0.3625, 0.3205

Rectangle

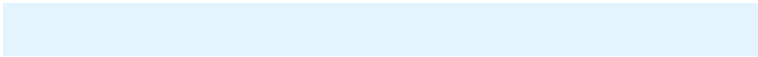
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.4557, 0.3538, 0.3867



91.4557, 0.3009, 0.3736



91.4557, 0.2712, 0.2748



91.4557, 0.3222, 0.2897

Sweetspot

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



91.4598, 0.3538, 0.3867



97.1974, 0.3249, 0.3464



61.7060, 0.3609, 0.3200



20.6952, 0.3272, 0.3497



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.



91.4598, 0.3538, 0.3867



89.9876, 0.3623, 0.3982



92.1227, 0.3358, 0.3975



20.6952, 0.3272, 0.3497



39.1935, 0.4423, 0.4870



3.9169, 0.4393, 0.4894

Inverse Universe

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



57.9324, 0.2686, 0.2639



51.3397, 0.2586, 0.2487



57.7754, 0.2847, 0.2581



17.7300, 0.2979, 0.3074



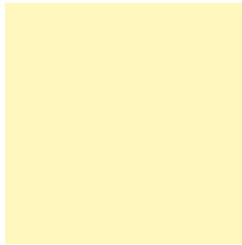
4.3868, 0.1524, 0.0687



0.5340, 0.1565, 0.0834

Previews

White Background



This preview shows how the Yxy color 91.4557, 0.3538, 0.3867 looks on a white background.

Color Contrast Check

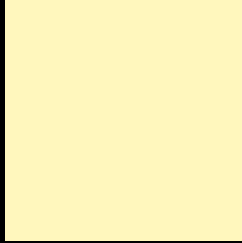
Large Text (above 18pt) WCAG AA × Fail

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 91.4557, 0.3538, 0.3867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

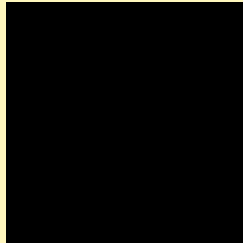
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.4557, 0.3538, 0.3867

Background



This preview shows how black text looks on a background with the Yxy color 91.4557, 0.3538, 0.3867.

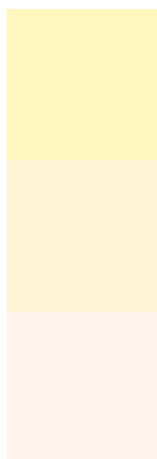


This preview shows how white text looks on a background with the Yxy color 91.4557, 0.3538, 0.3867.

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

91.4557, 0.3538, 0.3867

Protanopia

91.4199, 0.3385, 0.3597

Deuteranopia

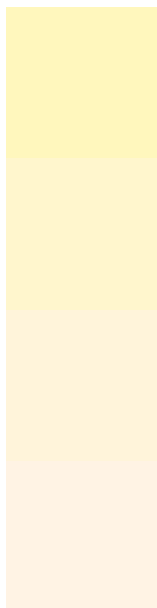
91.3593, 0.3255, 0.3368



Tritanopia

91.1356, 0.3158, 0.3194

Trichromacy



Original Color

91.4557, 0.3538, 0.3867

Protanomaly

91.5793, 0.3440, 0.3697

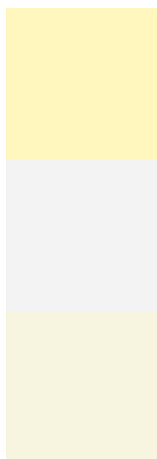
Deuteranomaly

91.0233, 0.3361, 0.3547

Tritanomaly

90.9626, 0.3299, 0.3438

Monochromacy



Original Color

91.4557, 0.3538, 0.3867

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.8032, 0.3275, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.4557, 0.3538, 0.3867 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, 247, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 189)  
}
```

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, 247, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 189) }
```

Border

The CSS property to change the border of an element to Yxy 91.4557, 0.3538, 0.3867 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, 247, 189) }
```

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

```
.border{ border-color:rgb(255, 247, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 91.4557, 0.3538, 0.3867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 189) }
```

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

```
.background{ background-color: rgb(255,  
247, 189) }
```

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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