

Converting Colors

$Y_{xy}(100.0000, 0.3895, 0.3879)$

Have a look what the booklet for
Yxy(100.0000, 0.3895, 0.3879)
contains.

Yxy(91.0768, 0.3594, 0.3956)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(91.0768, 0.3594, 0.3956)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7B4
RGB	255, 247, 180
RGB Percent	100%, 97%, 71%
CMY	0.0000, 0.0314, 0.2941
CMYK	0.00, 0.03, 0.29, 0.00
HSL	54°, 100%, 85%
HSV	54°, 29%, 100%
XYZ	82.7427, 91.0768, 56.4050
YIQ	241.7540, 26.2750, -19.1410

Conversions

Conversions Part 2

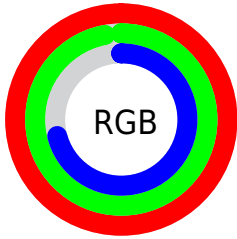
Format	Color
R _Y B	189, 255, 180
Decimal	16775092
CIE Lab	96.44, -7.24, 33.24
CIE LCh	96, 34.019, 102.292
Yxy	91.0768, 0.3594, 0.3956
Android (android.graphics.Color)	4294965172 (0xFFFFF7B4)
YUV	241.7540, -30.4447, 11.6167
Hunter-Lab	95.4342, -12.2479, 31.7614

Details

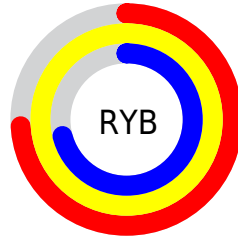
The Yxy color **91.0768, 0.3594, 0.3956** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.8965, 0.2616, 0.2523**, and the grayscale version is **88.8199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **50.6642, 0.3680, 0.4099** is the 20% darker color. If you saturate the color by 10%, you get **88.4820, 0.3757, 0.4179**, and if you desaturate by 10%, it is **93.8914, 0.3430, 0.3726**.

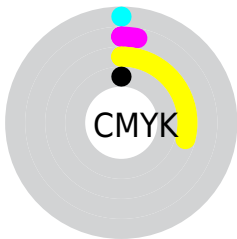
Distribution



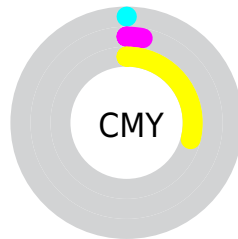
- Red (100%)
- Green (97%)
- Blue (71%)



- Red (74%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (3%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.0768, 0.3594, 0.3956 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 91.0768, 0.3594, 0.3956 by changing the saturation by 10% instead.


 91.0768, 0.3594,
0.3956

 91.0768, 0.3594,
0.3956

531.5274, 0.3391,
0.3658

 68.8741, 0.3637,
0.4021


 148.8332, 0.3526,
0.3855

 50.6092, 0.3688,
0.4099


185.1557, 0.3499,
0.3815

 35.8977, 0.3749,
0.4196


226.9536, 0.3476,
0.3780

 24.3552, 0.3825,
0.4317

274.6112, 0.3455,
0.3750

 15.5973, 0.3918,
0.4473

328.5130, 0.3436,
0.3723

 9.2396, 0.4033,
0.4679

389.0434, 0.3420,

 4.8978, 0.4172,

0.3699

0.4955

456.5868, 0.3405,
0.3678

■ 2.1874, 0.4476,
0.5524

■ 0.7131, 0.4126,
0.5874

■ 91.0768, 0.3594,
0.3956

■ 91.0768, 0.3594,
0.3956

■ 88.4820, 0.3757,
0.4179

■ 93.8914, 0.3430,
0.3726

■ 86.0900, 0.3915,
0.4387

■ 96.9290, 0.3270,
0.3498

■ 83.8911, 0.4058,
0.4568

100.0000, 0.3127,
0.3290

■ 81.8726, 0.4182,
0.4713

■ 80.0196, 0.4281,
0.4816

■ 78.3147, 0.4351,
0.4873

■ 76.7309, 0.4396,
0.4889

■ 76.6388, 0.4398,
0.4890

Harmonies

Analogous

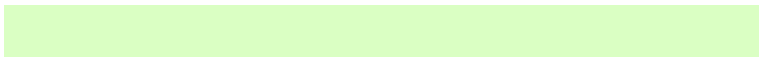
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0768, 0.3833, 0.3786



91.0768, 0.3594, 0.3956



91.0768, 0.3237, 0.3938

Triad

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



91.0768, 0.3594, 0.3956



91.0768, 0.2431, 0.3001



91.0768, 0.3368, 0.2918

Complementary

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



91.0768, 0.3594, 0.3956



52.8965, 0.2616, 0.2523

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.



91.0768, 0.2981, 0.2731



91.0768, 0.3594, 0.3956



91.0768, 0.2460, 0.2761

Square

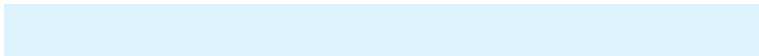
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.0768, 0.3594, 0.3956



91.0768, 0.2574, 0.3352



91.0768, 0.2654, 0.2671



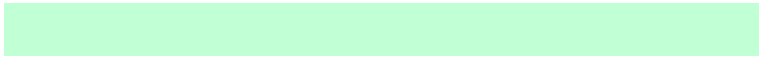
91.0768, 0.3704, 0.3194

Rectangle

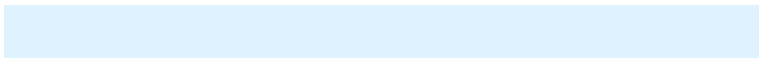
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.0768, 0.3594, 0.3956



91.0768, 0.2984, 0.3806



91.0768, 0.2654, 0.2671



91.0768, 0.3239, 0.2844

Sweetspot

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



91.0790, 0.3594, 0.3956



97.0573, 0.3264, 0.3489



57.5721, 0.3709, 0.3200



20.6763, 0.3287, 0.3522



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

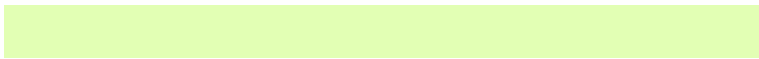
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.0790, 0.3594, 0.3956



89.6004, 0.3686, 0.4082



91.0260, 0.3379, 0.4077



20.7402, 0.3272, 0.3500



40.1790, 0.4394, 0.4893



4.0030, 0.4368, 0.4914

Inverse Universe

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



52.8965, 0.2616, 0.2523



46.0647, 0.2504, 0.2349



53.3884, 0.2809, 0.2475



17.6894, 0.2979, 0.3071



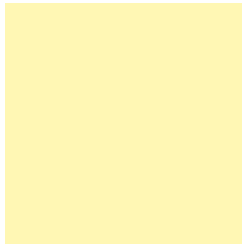
4.2871, 0.1520, 0.0673



0.5149, 0.1558, 0.0809

Previews

White Background



This preview shows how the Yxy color 91.0768, 0.3594, 0.3956 looks on a white background.

Color Contrast Check

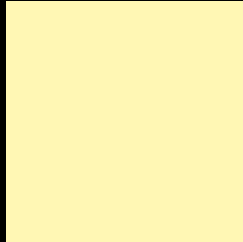
Large Text (above 18pt) WCAG AA × Fail

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 91.0768, 0.3594, 0.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

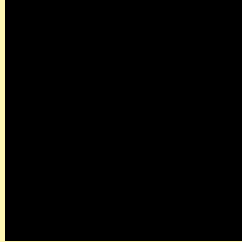
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.0768, 0.3594, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 91.0768, 0.3594, 0.3956.

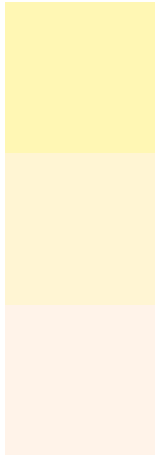


This preview shows how white text looks on a background with the Yxy color 91.0768, 0.3594, 0.3956.

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

91.0768, 0.3594, 0.3956

Protanopia

91.2680, 0.3404, 0.3627

Deuteranopia

91.2444, 0.3268, 0.3388



Tritanopia

91.0727, 0.3164, 0.3203

Trichromacy



Original Color

91.0768, 0.3594, 0.3956



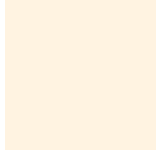
Protanomaly

91.3417, 0.3471, 0.3747



Deuteranomaly

90.8164, 0.3386, 0.3587



Tritanomaly

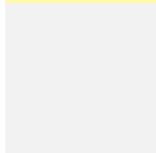
90.7974, 0.3318, 0.3467

Monochromacy



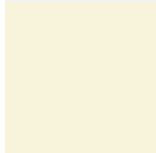
Original Color

91.0768, 0.3594, 0.3956



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

89.5900, 0.3300, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.0768, 0.3594, 0.3956 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 180) }
```

Border

The CSS property to change the border of an element to Yxy 91.0768, 0.3594, 0.3956 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, 180) }
```

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

```
.border{ border-color:rgb(255, 247, 180) }
```

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, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 91.0768, 0.3594, 0.3956 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, 180) }
```

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

```
.background{ background-color: rgb(255,  
247, 180) }
```

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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