

Converting Colors

$Y_{xy}(91.2615, 0.3602, 0.3975)$

Have a look what the booklet for
Yxy(91.2615, 0.3602, 0.3975)
contains.

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Color

Yxy(90.9959, 0.3606, 0.3976)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7B2
RGB	255, 247, 178
RGB Percent	100%, 97%, 70%
CMY	0.0001, 0.0313, 0.3019
CMYK	0.00, 0.03, 0.30, 0.00
HSL	54°, 100%, 85%
HSV	54°, 30%, 100%
XYZ	82.5280, 90.9959, 55.3391
YIQ	241.5260, 26.9170, -19.7630

Conversions

Conversions Part 2

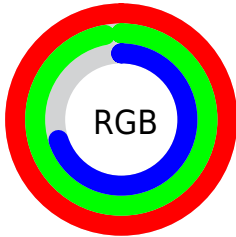
Format	Color
R_{YB}	187, 255, 178
Decimal	16775090
CIE _{Lab}	96.41, -7.51, 34.20
CIE _{LCh}	96, 35.015, 102.389
Yxy	90.9959, 0.3606, 0.3976
Android (android.graphics.Color)	4294965170 (0xFFFFF7B2)
YUV	241.5260, -31.3183, 11.8167
Hunter-Lab	95.3918, -12.5067, 32.3787

Details

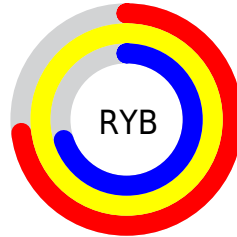
The Yxy color **90.9959, 0.3606, 0.3976** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.7857, 0.2601, 0.2496**, and the grayscale version is **88.6349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **50.6126, 0.3695, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **88.4695, 0.3769, 0.4199**, and if you desaturate by 10%, it is **93.7436, 0.3442, 0.3746**.

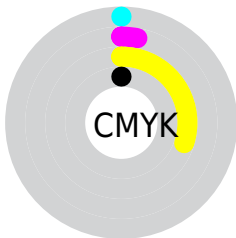
Distribution



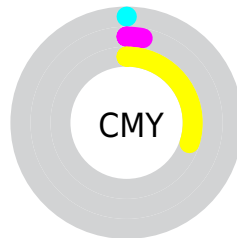
- Red (100%)
- Green (97%)
- Blue (70%)



- Red (73%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (3%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9959, 0.3606, 0.3976 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 90.9959, 0.3606, 0.3976 by changing the saturation by 10% instead.


 90.9959, 0.3606,
0.3976

 90.9959, 0.3606,
0.3976


531.2652, 0.3398,
0.3669

 68.8069, 0.3650,
0.4043


 148.7210, 0.3537,
0.3872

 50.5545, 0.3702,
0.4124


185.0259, 0.3509,
0.3831

 35.8542, 0.3764,
0.4223


226.8049, 0.3485,
0.3795

 24.3216, 0.3841,
0.4347

274.4424, 0.3464,
0.3764

 15.5724, 0.3935,
0.4507

328.3227, 0.3445,
0.3736

 9.2221, 0.4050,
0.4717

388.8304, 0.3428,

 4.8863, 0.4190,

0.3711

0.5000

456.3498, 0.3412,
0.3689

■ 2.1807, 0.4461,
0.5539

■ 0.7094, 0.4090,
0.5910

■ 90.9959, 0.3606,
0.3976

■ 90.9959, 0.3606,
0.3976

■ 88.4695, 0.3769,
0.4199

■ 93.7436, 0.3442,
0.3746

■ 86.1414, 0.3924,
0.4405

■ 96.7102, 0.3282,
0.3516

■ 84.0041, 0.4066,
0.4584

99.9089, 0.3130,
0.3294

■ 82.0445, 0.4187,
0.4727

99.9935, 0.3127,
0.3290

■ 80.2477, 0.4282,
0.4827

■ 78.5959, 0.4349,
0.4881

■ 77.0870, 0.4391,
0.4895

Harmonies

Analogous

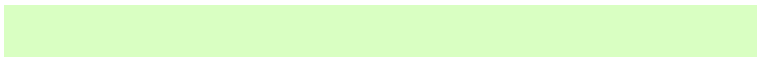
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9959, 0.3854, 0.3800



90.9959, 0.3606, 0.3976



90.9959, 0.3238, 0.3958

Triad

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



90.9959, 0.3606, 0.3976



90.9959, 0.2411, 0.2991



90.9959, 0.3376, 0.2909

Complementary

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



90.9959, 0.3606, 0.3976



51.7857, 0.2601, 0.2496

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.



90.9959, 0.2978, 0.2716



90.9959, 0.3606, 0.3976



90.9959, 0.2441, 0.2745

Square

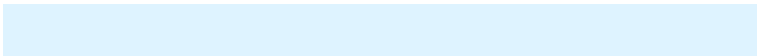
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9959, 0.3606, 0.3976



90.9959, 0.2558, 0.3352



90.9959, 0.2641, 0.2654



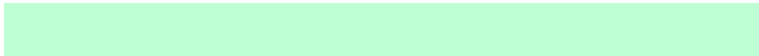
90.9959, 0.3722, 0.3191

Rectangle

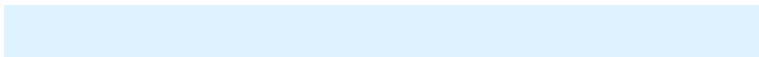
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9959, 0.3606, 0.3976



90.9959, 0.2978, 0.3821



90.9959, 0.2641, 0.2654



90.9959, 0.3243, 0.2832

Sweetspot

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



91.0000, 0.3606, 0.3976



97.1058, 0.3264, 0.3490



56.6866, 0.3730, 0.3198



20.6883, 0.3287, 0.3523



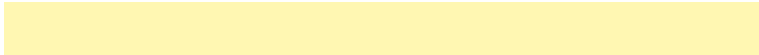
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

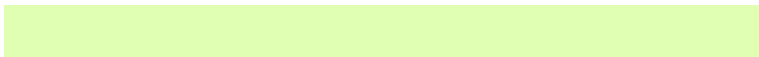
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.0000, 0.3606, 0.3976



89.5300, 0.3701, 0.4107



90.7955, 0.3386, 0.4100



20.7511, 0.3272, 0.3501



40.4220, 0.4387, 0.4898



4.0242, 0.4362, 0.4918

Inverse Universe

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



51.7857, 0.2601, 0.2496



44.7931, 0.2483, 0.2314



52.4026, 0.2799, 0.2451



17.6795, 0.2979, 0.3070



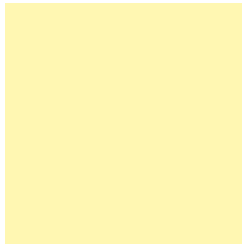
4.2643, 0.1519, 0.0670



0.5103, 0.1556, 0.0802

Previews

White Background



This preview shows how the Yxy color 90.9959, 0.3606, 0.3976 looks on a white background.

Color Contrast Check

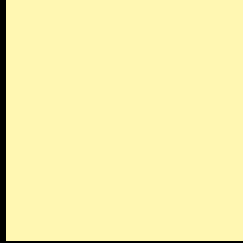
Large Text (above 18pt) WCAG AA × Fail

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 90.9959, 0.3606, 0.3976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

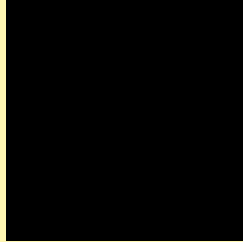
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.9959, 0.3606, 0.3976

Background



This preview shows how black text looks on a background with the Yxy color 90.9959, 0.3606, 0.3976.

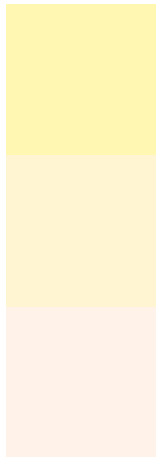


This preview shows how white text looks on a background with the Yxy color 90.9959, 0.3606, 0.3976.

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

90.9959, 0.3606, 0.3976

Protanopia

91.2680, 0.3404, 0.3627

Deuteranopia

91.2444, 0.3268, 0.3388



Tritanopia

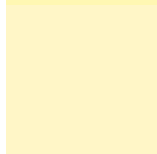
91.0727, 0.3164, 0.3203

Trichromacy



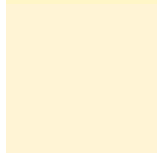
Original Color

90.9959, 0.3606, 0.3976



Protanomaly

91.2951, 0.3478, 0.3757



Deuteranomaly

90.7655, 0.3392, 0.3597



Tritanomaly

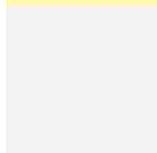
90.7430, 0.3324, 0.3477

Monochromacy



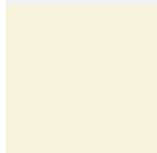
Original Color

90.9959, 0.3606, 0.3976



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 90.9959, 0.3606, 0.3976 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 178) }
```

Border

The CSS property to change the border of an element to Yxy 90.9959, 0.3606, 0.3976 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, 178) }
```

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

```
.border{ border-color:rgb(255, 247, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9959, 0.3606, 0.3976 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
247, 178) }
```

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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