

Converting Colors

$Y_{xy}(100.0000, 0.3938, 0.4001)$

Have a look what the booklet for
Yxy(100.0000, 0.3938, 0.4001)
contains.

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Color

Yxy(91.8759, 0.3655, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	FFF9A9
RGB	255, 249, 169
RGB Percent	100%, 98%, 66%
CMY	0.0002, 0.0235, 0.3372
CMYK	0.00, 0.02, 0.34, 0.00
HSL	56°, 100%, 83%
HSV	56°, 34%, 100%
XYZ	82.2652, 91.8759, 50.9346
YIQ	241.6740, 29.2560, -23.6080

Conversions

Conversions Part 2

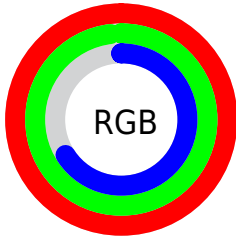
Format	Color
RYB	175, 255, 169
Decimal	16775593
CIELab	96.77, -9.58, 39.17
CIELCh	97, 40.328, 103.736
Yxy	91.8759, 0.3655, 0.4082
Android (android.graphics.Color)	4294965673 (0xFFFFF9A9)
YUV	241.6740, -35.8283, 11.6869
Hunter-Lab	95.8519, -14.5427, 35.5903

Details

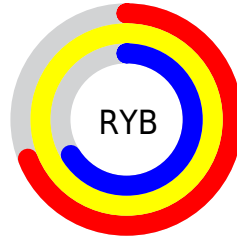
The Yxy color **91.8759, 0.3655, 0.4082** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.2891, 0.2525, 0.2351**, and the grayscale version is **88.7915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **51.2712, 0.3753, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **89.9304, 0.3810, 0.4306**, and if you desaturate by 10%, it is **94.0266, 0.3495, 0.3846**.

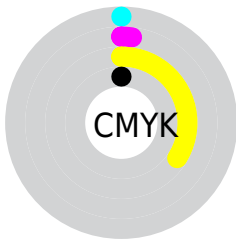
Distribution



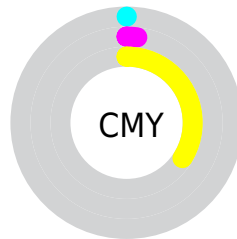
- Red (100%)
- Green (98%)
- Blue (66%)



- Red (69%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (2%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.8759, 0.3655, 0.4082 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 91.8759, 0.3655, 0.4082 by changing the saturation by 10% instead.

 91.8759, 0.3655,
0.4082

 91.8759, 0.3655,
0.4082

534.1144, 0.3429,
0.3729

 69.5376, 0.3702,
0.4159


 149.9414, 0.3580,
0.3963

 51.1496, 0.3757,
0.4251


186.4373, 0.3550,
0.3915

 36.3277, 0.3822,
0.4364


228.4212, 0.3524,
0.3874

 24.6874, 0.3901,
0.4504

276.2775, 0.3500,
0.3838

 15.8443, 0.3994,
0.4682

330.3906, 0.3480,
0.3806

 9.4140, 0.4102,
0.4911

391.1448, 0.3461,

 5.0122, 0.4246,

0.3777

0.5243

458.9246, 0.3444,
0.3752

■ 2.2544, 0.4350,
0.5650

■ 0.7494, 0.3897,
0.6103

■ 91.8759, 0.3655,
0.4082

■ 91.8759, 0.3655,
0.4082

■ 89.9304, 0.3810,
0.4306

■ 94.0266, 0.3495,
0.3846

■ 88.1667, 0.3953,
0.4509

■ 96.3802, 0.3336,
0.3608

■ 86.5769, 0.4078,
0.4680

■ 98.9500, 0.3182,
0.3375

■ 85.1475, 0.4180,
0.4811

99.9917, 0.3127,
0.3290

■ 83.8628, 0.4255,
0.4898

■ 82.7035, 0.4303,
0.4941

■ 82.0217, 0.4322,
0.4950

Harmonies

Analogous

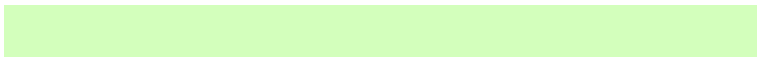
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8759, 0.3950, 0.3880



91.8759, 0.3655, 0.4082



91.8759, 0.3230, 0.4057

Triad

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



91.8759, 0.3655, 0.4082



91.8759, 0.2311, 0.2926



91.8759, 0.3431, 0.2869

Complementary

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



91.8759, 0.3655, 0.4082



46.2891, 0.2525, 0.2351

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.



91.8759, 0.2973, 0.2646



91.8759, 0.3655, 0.4082



91.8759, 0.2354, 0.2657

Square

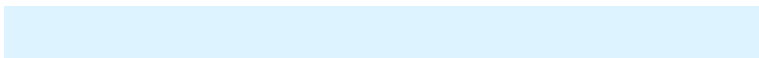
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.8759, 0.3655, 0.4082



91.8759, 0.2465, 0.3337



91.8759, 0.2586, 0.2567



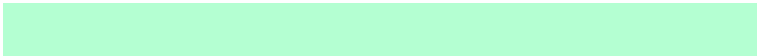
91.8759, 0.3825, 0.3190

Rectangle

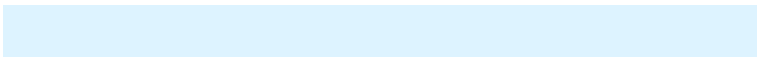
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.8759, 0.3655, 0.4082



91.8759, 0.2933, 0.3892



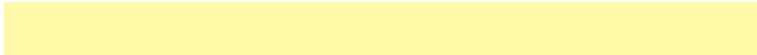
91.8759, 0.2586, 0.2567



91.8759, 0.3278, 0.2781

Sweetspot

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



91.8801, 0.3655, 0.4082



97.3466, 0.3279, 0.3521



52.7701, 0.3857, 0.3217



20.7602, 0.3300, 0.3554



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

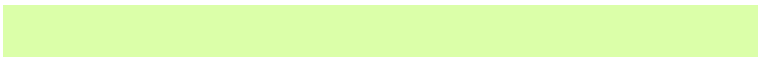
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.8801, 0.3655, 0.4082



90.6674, 0.3753, 0.4225



89.4389, 0.3394, 0.4207



20.8632, 0.3271, 0.3509



42.9661, 0.4320, 0.4952



4.2454, 0.4304, 0.4965

Inverse Universe

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



46.2891, 0.2525, 0.2351



39.1493, 0.2395, 0.2142



48.5476, 0.2773, 0.2347



17.5791, 0.2978, 0.3061



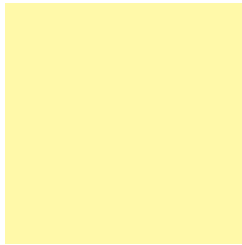
4.0658, 0.1512, 0.0642



0.4629, 0.1538, 0.0737

Previews

White Background



This preview shows how the Yxy color 91.8759, 0.3655, 0.4082 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 91.8759, 0.3655, 0.4082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

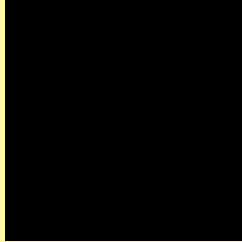
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.8759, 0.3655, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 91.8759, 0.3655, 0.4082.

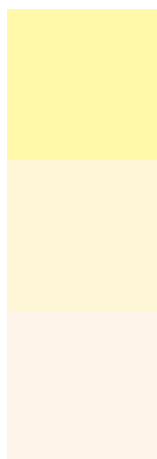


This preview shows how white text looks on a background with the Yxy color 91.8759, 0.3655, 0.4082.

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

91.8759, 0.3655, 0.4082

Protanopia

92.0778, 0.3377, 0.3596

Deuteranopia

91.9019, 0.3260, 0.3388



Tritanopia

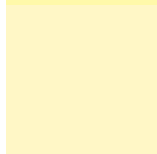
91.7293, 0.3157, 0.3203

Trichromacy



Original Color

91.8759, 0.3655, 0.4082



Protanomaly

91.8587, 0.3482, 0.3776



Deuteranomaly

91.8247, 0.3408, 0.3646



Tritanomaly

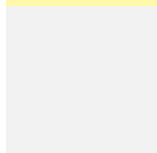
91.7853, 0.3341, 0.3527

Monochromacy



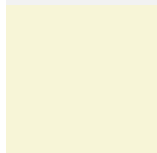
Original Color

91.8759, 0.3655, 0.4082



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

89.9853, 0.3324, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.8759, 0.3655, 0.4082 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, 249, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 169)  
}
```

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, 249, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 169) }
```

Border

The CSS property to change the border of an element to Yxy 91.8759, 0.3655, 0.4082 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, 249, 169) }
```

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

```
.border{ border-color:rgb(255, 249, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 249, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 249, 169); box-shadow:4px 4px 4px 4px rgb(255, 249, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 91.8759, 0.3655, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 169) }
```

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

```
.background{ background-color: rgb(255,  
249, 169) }
```

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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