

Converting Colors

$Y_{xy}(102.6086, 0.4103, 0.4079)$

Have a look what the booklet for
Yxy(102.6086, 0.4103, 0.4079)
contains.

Yxy(91.4117, 0.3732, 0.4206)	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(91.4117, 0.3732, 0.4206)

Conversions

Conversions Part 1

Format	Color
Hex	FFF99C
RGB	255, 249, 156
RGB Percent	100%, 98%, 61%
CMY	0.0001, 0.0235, 0.3883
CMYK	0.00, 0.02, 0.39, 0.00
HSL	56°, 100%, 81%
HSV	56°, 39%, 100%
XYZ	81.1100, 91.4117, 44.8148
YIQ	240.1920, 33.4290, -27.6510

Conversions

Conversions Part 2

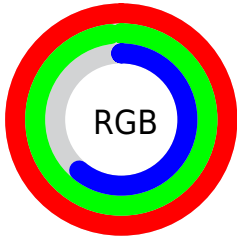
Format	Color
RYB	162, 255, 156
Decimal	16775580
CIELab	96.58, -11.00, 45.33
CIElCh	97, 46.647, 103.636
Yxy	91.4117, 0.3732, 0.4206
Android (android.graphics.Color)	4294965660 (0xFFFFF99C)
YUV	240.1920, -41.5067, 12.9866
Hunter-Lab	95.6095, -15.8867, 39.1358

Details

The Yxy color **91.4117, 0.3732, 0.4206** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.1096, 0.2418, 0.2171**, and the grayscale version is **87.6072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **50.9895, 0.3845, 0.4401** is the 20% darker color. If you saturate the color by 10%, you get **89.6946, 0.3880, 0.4422**, and if you desaturate by 10%, it is **93.3262, 0.3576, 0.3974**.

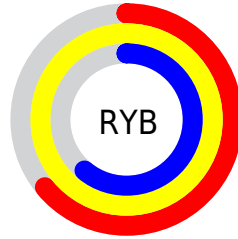
Distribution



Red (100%)

Green (98%)

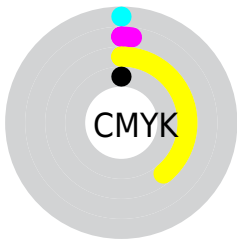
Blue (61%)



Red (64%)

Yellow (100%)

Blue (61%)

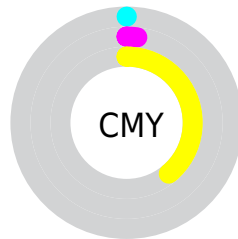


Cyan (0%)

Magenta (2%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.4117, 0.3732, 0.4206 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 91.4117, 0.3732, 0.4206 by changing the saturation by 10% instead.


 91.4117, 0.3732,
0.4206


 91.4117, 0.3732,
0.4206

532.6124, 0.3476,
0.3799

 69.1521, 0.3784,
0.4293


 149.2978, 0.3648,
0.4069

 50.8356, 0.3844,
0.4398

 185.6930, 0.3614,
0.4014

 36.0778, 0.3915,
0.4525


227.5689, 0.3584,
0.3967

 24.4943, 0.3997,
0.4681

275.3099, 0.3558,
0.3925

 15.7007, 0.4090,
0.4875

329.3004, 0.3534,
0.3888

 9.3126, 0.4188,
0.5116

389.9247, 0.3513,

 4.9456, 0.4395,

0.3855

0.5566

457.5672, 0.3493,
0.3825

■ 2.2154, 0.4267,
0.5733

■ 0.7284, 0.3678,
0.6322

■ 91.4117, 0.3732,
0.4206

■ 91.4117, 0.3732,
0.4206

■ 89.6946, 0.3880,
0.4422

■ 93.3262, 0.3576,
0.3974

■ 88.1510, 0.4012,
0.4610

■ 95.4360, 0.3417,
0.3734

■ 86.7723, 0.4124,
0.4763

■ 97.7550, 0.3260,
0.3495

■ 85.5438, 0.4210,
0.4873

99.9962, 0.3127,
0.3290

■ 84.4484, 0.4268,
0.4938

■ 83.4611, 0.4302,
0.4962

■ 83.3483, 0.4305,
0.4964

Harmonies

Analogous

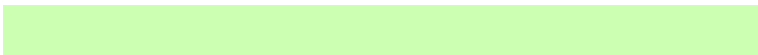
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4117, 0.4077, 0.3959



91.4117, 0.3732, 0.4206



91.4117, 0.3240, 0.4189

Triad

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



91.4117, 0.3732, 0.4206



91.4117, 0.2193, 0.2865



91.4117, 0.3475, 0.2806

Complementary

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



91.4117, 0.3732, 0.4206



40.1096, 0.2418, 0.2171

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.



91.4117, 0.2944, 0.2555



91.4117, 0.3732, 0.4206



91.4117, 0.2242, 0.2561

Square

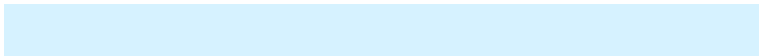
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.4117, 0.3732, 0.4206



91.4117, 0.2366, 0.3341



91.4117, 0.2504, 0.2463



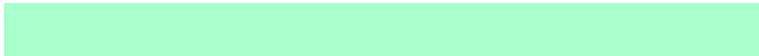
91.4117, 0.3936, 0.3168

Rectangle

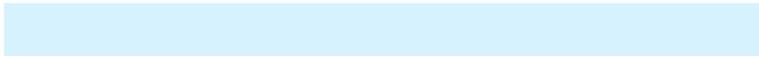
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.4117, 0.3732, 0.4206



91.4117, 0.2900, 0.3998



91.4117, 0.2504, 0.2463



91.4117, 0.3297, 0.2707

Sweetspot

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



91.4159, 0.3732, 0.4206



97.0125, 0.3309, 0.3570



47.6583, 0.4037, 0.3223



20.6991, 0.3330, 0.3601



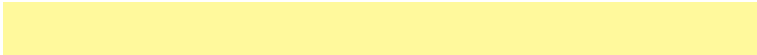
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

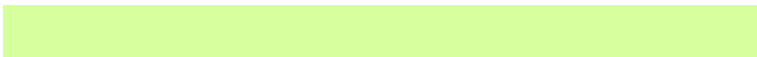
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.4159, 0.3732, 0.4206



90.0110, 0.3854, 0.4384



87.9165, 0.3419, 0.4360



20.8921, 0.3271, 0.3511



43.6397, 0.4303, 0.4966



4.3037, 0.4289, 0.4976

Inverse Universe

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



40.1096, 0.2418, 0.2171



31.8407, 0.2244, 0.1891



43.1175, 0.2718, 0.2192



17.5533, 0.2978, 0.3059



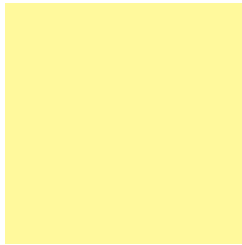
4.0242, 0.1510, 0.0636



0.4507, 0.1533, 0.0720

Previews

White Background



This preview shows how the Yxy color 91.4117, 0.3732, 0.4206 looks on a white background.

Color Contrast Check

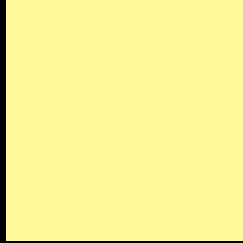
Large Text (above 18pt) WCAG AA × Fail

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 91.4117, 0.3732, 0.4206 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 91.4117, 0.3732, 0.4206

Background



This preview shows how black text looks on a background with the Yxy color 91.4117, 0.3732, 0.4206.

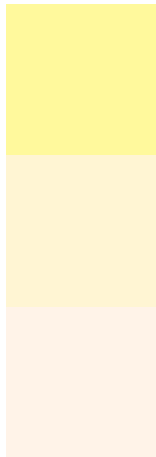


This preview shows how white text looks on a background with the Yxy color 91.4117, 0.3732, 0.4206.

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

91.4117, 0.3732, 0.4206

Protanopia

91.2680, 0.3404, 0.3627

Deuteranopia

91.1874, 0.3274, 0.3398



Tritanopia

91.0727, 0.3164, 0.3203

Trichromacy



Original Color

91.4117, 0.3732, 0.4206



Protanomaly

90.9331, 0.3528, 0.3837



Deuteranomaly

90.9244, 0.3448, 0.3697



Tritanomaly

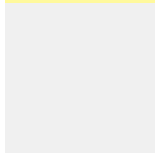
90.9192, 0.3373, 0.3567

Monochromacy



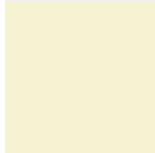
Original Color

91.4117, 0.3732, 0.4206



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.1171, 0.3351, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.4117, 0.3732, 0.4206 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 156) }
```

Border

The CSS property to change the border of an element to Yxy 91.4117, 0.3732, 0.4206 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, 156) }
```

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

```
.border{ border-color:rgb(255, 249, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 91.4117, 0.3732, 0.4206 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, 156) }
```

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

```
.background{ background-color: rgb(255,  
249, 156) }
```

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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