

Converting Colors

$Y_{xy}(103.5517, 0.4031, 0.4055)$

Have a look what the booklet for
Yxy(103.5517, 0.4031, 0.4055)
contains.

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Color

Yxy(92.8630, 0.3691, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBA2
RGB	255, 251, 162
RGB Percent	100%, 98%, 64%
CMY	0.0000, 0.0157, 0.3647
CMYK	0.00, 0.02, 0.36, 0.00
HSL	57°, 100%, 82%
HSV	57°, 36%, 100%
XYZ	82.2749, 92.8630, 47.7689
YIQ	242.0500, 30.9530, -26.8310

Conversions

Conversions Part 2

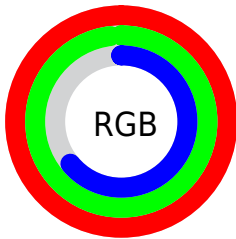
Format	Color
R _Y B	166, 255, 162
Decimal	16776098
CIE Lab	97.17, -11.29, 43.15
CIE LCh	97, 44.607, 104.663
Yxy	92.8630, 0.3691, 0.4166
Android (android.graphics.Color)	4294966178 (0xFFFFFBA2)
YUV	242.0500, -39.4646, 11.3572
Hunter-Lab	96.3655, -16.2398, 38.0654

Details

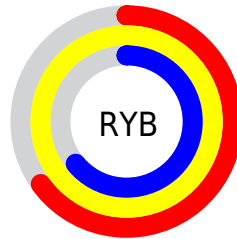
The Yxy color **92.8630, 0.3691, 0.4166** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.1777, 0.2464, 0.2231**, and the grayscale version is **89.1283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **52.0047, 0.3793, 0.4355** is the 20% darker color. If you saturate the color by 10%, you get **91.3539, 0.3838, 0.4389**, and if you desaturate by 10%, it is **94.5457, 0.3535, 0.3928**.

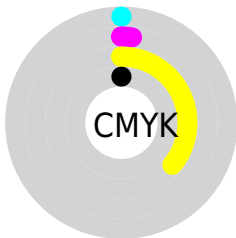
Distribution



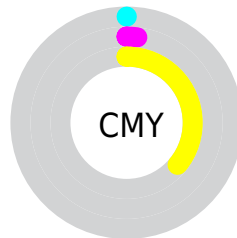
- Red (100%)
- Green (98%)
- Blue (64%)



- Red (65%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (2%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.8630, 0.3691, 0.4166 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 92.8630, 0.3691, 0.4166 by changing the saturation by 10% instead.


 92.8630, 0.3691,
0.4166


 92.8630, 0.3691,
0.4166


537.3007, 0.3452,
0.3776

 70.3576, 0.3739,
0.4250


 151.3089, 0.3613,
0.4035

 51.8182, 0.3796,
0.4351


 188.0183, 0.3581,
0.3982

 36.8601, 0.3863,
0.4473


230.2311, 0.3553,
0.3937

 25.0992, 0.3941,
0.4625

278.3317, 0.3528,
0.3897

 16.1510, 0.4031,
0.4815

332.7046, 0.3506,
0.3862

 9.6311, 0.4129,
0.5055

393.7342, 0.3486,

 5.1550, 0.4286,

0.3830

0.5441

461.8047, 0.3468,
0.3802

■ 2.3385, 0.4261,
0.5739

■ 0.7940, 0.3763,
0.6237

■ 92.8630, 0.3691,
0.4166

■ 92.8630, 0.3691,
0.4166

■ 91.3539, 0.3838,
0.4389

■ 94.5457, 0.3535,
0.3928

■ 90.0286, 0.3970,
0.4587

■ 96.4336, 0.3378,
0.3684

■ 88.8675, 0.4083,
0.4751

■ 98.5292, 0.3224,
0.3442

■ 87.8567, 0.4170,
0.4872

100.0000, 0.3127,
0.3290

■ 86.9795, 0.4230,
0.4949

■ 86.2156, 0.4264,
0.4984

■ 85.9620, 0.4272,
0.4990

Harmonies

Analogous

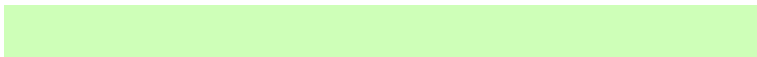
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8630, 0.4025, 0.3942



92.8630, 0.3691, 0.4166



92.8630, 0.3220, 0.4135

Triad

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



92.8630, 0.3691, 0.4166



92.8630, 0.2233, 0.2874



92.8630, 0.3476, 0.2838

Complementary

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



92.8630, 0.3691, 0.4166



42.1777, 0.2464, 0.2231

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.



92.8630, 0.2971, 0.2593



92.8630, 0.3691, 0.4166



92.8630, 0.2286, 0.2589

Square

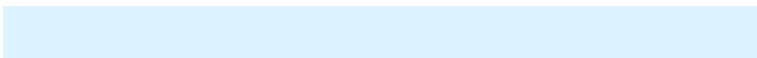
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.8630, 0.3691, 0.4166



92.8630, 0.2393, 0.3323



92.8630, 0.2545, 0.2499



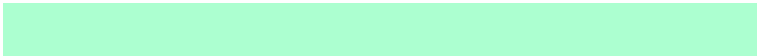
92.8630, 0.3908, 0.3189

Rectangle

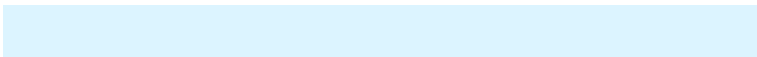
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.8630, 0.3691, 0.4166



92.8630, 0.2896, 0.3947



92.8630, 0.2545, 0.2499



92.8630, 0.3307, 0.2742

Sweetspot

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



92.8558, 0.3691, 0.4166



97.5538, 0.3293, 0.3551



49.8776, 0.3973, 0.3244



20.8198, 0.3314, 0.3584



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

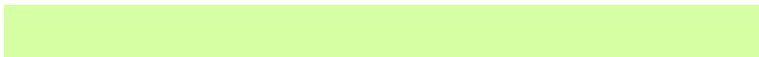
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8558, 0.3691, 0.4166



91.7081, 0.3802, 0.4336



88.2972, 0.3393, 0.4294



20.9484, 0.3270, 0.3515



44.9761, 0.4271, 0.4991



4.4191, 0.4261, 0.4999

Inverse Universe

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



42.1777, 0.2464, 0.2231



34.1087, 0.2304, 0.1971



45.8766, 0.2761, 0.2269



17.5033, 0.2978, 0.3055



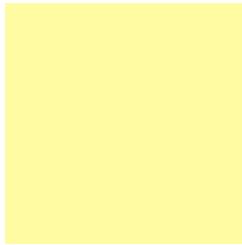
3.9517, 0.1507, 0.0626



0.4270, 0.1524, 0.0686

Previews

White Background



This preview shows how the Yxy color 92.8630, 0.3691, 0.4166 looks on a white background.

Color Contrast Check

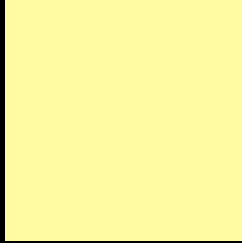
Large Text (above 18pt) WCAG AA × Fail

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 92.8630, 0.3691, 0.4166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

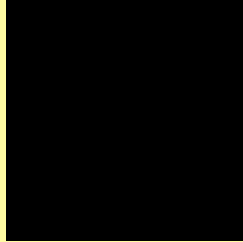
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.8630, 0.3691, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 92.8630, 0.3691, 0.4166.

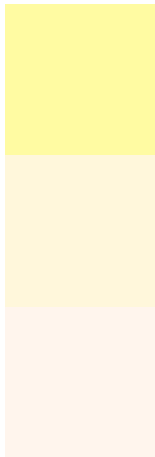


This preview shows how white text looks on a background with the Yxy color 92.8630, 0.3691, 0.4166.

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

92.8630, 0.3691, 0.4166

Protanopia

92.8960, 0.3350, 0.3566

Deuteranopia

92.6792, 0.3241, 0.3368



Tritanopia

92.9264, 0.3156, 0.3223

Trichromacy



Original Color

92.8630, 0.3691, 0.4166



Protanomaly

92.4720, 0.3480, 0.3786



Deuteranomaly

92.4347, 0.3407, 0.3656



Tritanomaly

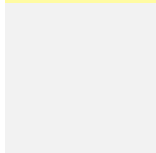
92.8960, 0.3350, 0.3566

Monochromacy



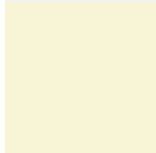
Original Color

92.8630, 0.3691, 0.4166



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

89.8831, 0.3336, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.8630, 0.3691, 0.4166 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, 251, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 162)  
}
```

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, 251, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 162) }
```

Border

The CSS property to change the border of an element to Yxy 92.8630, 0.3691, 0.4166 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, 251, 162) }
```

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

```
.border{ border-color:rgb(255, 251, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 92.8630, 0.3691, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 162) }
```

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

```
.background{ background-color: rgb(255,  
251, 162) }
```

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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