

Converting Colors

$Y_{xy}(100.0000, 0.4261, 0.4379)$

Have a look what the booklet for
Yxy(100.0000, 0.4261, 0.4379)
contains.

Yxy(90.2957, 0.3941, 0.4543)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.2957, 0.3941, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	FFF975
RGB	255, 249, 117
RGB Percent	100%, 98%, 46%
CMY	0.0000, 0.0235, 0.5411
CMYK	0.00, 0.02, 0.54, 0.00
HSL	57°, 100%, 73%
HSV	57°, 54%, 100%
XYZ	78.3305, 90.2957, 30.1317
YIQ	235.7460, 45.9480, -39.7800

Conversions

Conversions Part 2

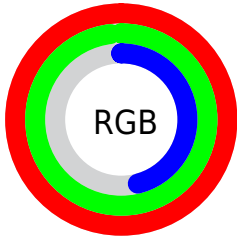
Format	Color
R _Y B	123, 255, 117
Decimal	16775541
CIE Lab	96.12, -14.49, 62.98
CIE LCh	96, 64.624, 102.961
Yxy	90.2957, 0.3941, 0.4543
Android (android.graphics.Color)	4294965621 (0xFFFFF975)
YUV	235.7460, -58.5418, 16.8858
Hunter-Lab	95.0240, -19.1505, 47.7162

Details

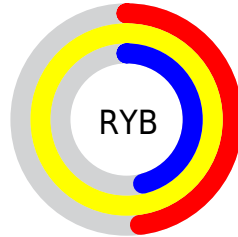
The Yxy color **90.2957, 0.3941, 0.4543** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **25.1702, 0.2090, 0.1620**, and the grayscale version is **84.1075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **50.2235, 0.4070, 0.4786** is the 20% darker color. If you saturate the color by 10%, you get **89.0938, 0.4059, 0.4715**, and if you desaturate by 10%, it is **91.6684, 0.3804, 0.4338**.

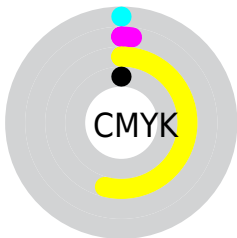
Distribution



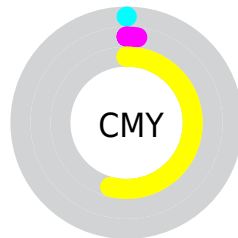
- Red (100%)
- Green (98%)
- Blue (46%)



- Red (48%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (2%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2957, 0.3941, 0.4543 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 90.2957, 0.3941, 0.4543 by changing the saturation by 10% instead.


 90.2957, 0.3941,
0.4543

 90.2957, 0.3941,
0.4543


528.9923, 0.3612,
0.3996


 68.2259, 0.4002,
0.4655


 147.7491, 0.3838,
0.4363

 50.0816, 0.4069,
0.4786


 183.9014, 0.3795,
0.4290

 35.4782, 0.4141,
0.4939


 225.5168, 0.3756,
0.4226

 24.0315, 0.4214,
0.5116

272.9796, 0.3721,
0.4169

 15.3570, 0.4277,
0.5318

326.6741, 0.3689,
0.4118

 9.0703, 0.4376,
0.5624

386.9848, 0.3661,

 4.7871, 0.4255,

0.4073

0.5745

454.2961, 0.3635,
0.4033

■ 2.1229, 0.4055,
0.5945

■ 0.6774, 0.2998,
0.7002

■ 90.2957, 0.3941,
0.4543

■ 90.2957, 0.3941,
0.4543

■ 89.0938, 0.4059,
0.4715

■ 91.6684, 0.3804,
0.4338

■ 88.0440, 0.4152,
0.4847


■ 93.2188, 0.3655,
0.4111


■ 87.1322, 0.4219,
0.4935

■ 94.9596, 0.3498,
0.3870

■ 86.3389, 0.4259,
0.4979

■ 96.9010, 0.3342,
0.3626

 85.9113, 0.4273,
0.4990

 99.0521, 0.3188,
0.3386

100.0000, 0.3127,
0.3290

Harmonies

Analogous

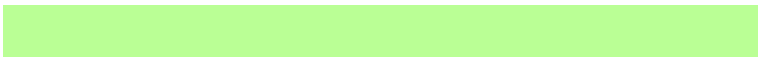
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2957, 0.4427, 0.4150



90.2957, 0.3941, 0.4543



90.2957, 0.3269, 0.4581

Triad

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



90.2957, 0.3941, 0.4543



90.2957, 0.1879, 0.2693



90.2957, 0.3584, 0.2628

Complementary

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



90.2957, 0.3941, 0.4543



25.1702, 0.2090, 0.1620

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.



90.2957, 0.2849, 0.2307



90.2957, 0.3941, 0.4543



90.2957, 0.1940, 0.2301

Square

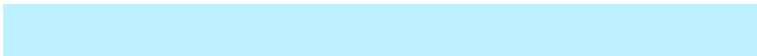
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.2957, 0.3941, 0.4543



90.2957, 0.2100, 0.3358



90.2957, 0.2270, 0.2185



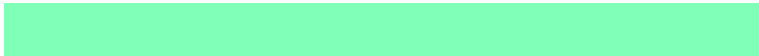
90.2957, 0.4244, 0.3092

Rectangle

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



90.2957, 0.3941, 0.4543



90.2957, 0.2808, 0.4322



90.2957, 0.2270, 0.2185



90.2957, 0.3333, 0.2502

Sweetspot

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



90.2974, 0.3941, 0.4543



96.5190, 0.3371, 0.3672



35.4377, 0.4664, 0.3226



20.5716, 0.3403, 0.3723



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

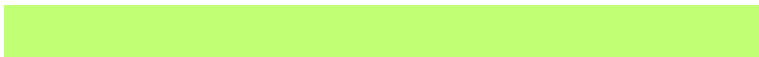
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2974, 0.3941, 0.4543



88.9948, 0.4068, 0.4729



84.1294, 0.3484, 0.4809



20.9473, 0.3270, 0.3515



44.9500, 0.4271, 0.4991



4.4169, 0.4261, 0.4998

Inverse Universe

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



25.1702, 0.2090, 0.1620



17.8051, 0.1875, 0.1264



29.5410, 0.2522, 0.1731



17.5042, 0.2978, 0.3055



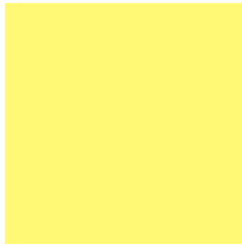
3.9531, 0.1507, 0.0626



0.4275, 0.1524, 0.0687

Previews

White Background



This preview shows how the Yxy color 90.2957, 0.3941, 0.4543 looks on a white background.

Color Contrast Check

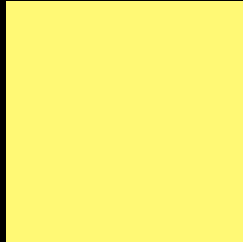
Large Text (above 18pt) WCAG AA × Fail

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 90.2957, 0.3941, 0.4543 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 90.2957, 0.3941, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 90.2957, 0.3941, 0.4543.



This preview shows how white text looks on a background with the Yxy color 90.2957, 0.3941, 0.4543.

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

90.2957, 0.3941, 0.4543

Protanopia

90.2732, 0.3456, 0.3698

Deuteranopia

90.3103, 0.3306, 0.3438



Tritanopia

90.3575, 0.3177, 0.3213

Trichromacy



Original Color

90.2957, 0.3941, 0.4543



Protanomaly

90.1501, 0.3646, 0.4026



Deuteranomaly

90.1527, 0.3555, 0.3868



Tritanomaly

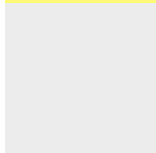
89.5313, 0.3477, 0.3719

Monochromacy



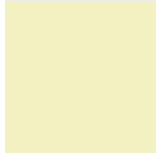
Original Color

90.2957, 0.3941, 0.4543



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8155, 0.3442, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2957, 0.3941, 0.4543 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 117) }
```

Border

The CSS property to change the border of an element to Yxy 90.2957, 0.3941, 0.4543 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, 117) }
```

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

```
.border{ border-color:rgb(255, 249, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2957, 0.3941, 0.4543 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, 117) }
```

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

```
.background{ background-color: rgb(255,  
249, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor