

Converting Colors

$Y_{xy}(100.0000, 0.4172, 0.4481)$

Have a look what the booklet for
Yxy(100.0000, 0.4172, 0.4481)
contains.

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Color

Yxy(92.7028, 0.3940, 0.4603)

Conversions

Conversions Part 1

Format	Color
Hex	FFFD71
RGB	255, 253, 113
RGB Percent	100%, 99%, 44%
CMY	0.0000, 0.0078, 0.5567
CMYK	0.00, 0.01, 0.56, 0.00
HSL	59°, 100%, 72%
HSV	59°, 56%, 100%
XYZ	79.3502, 92.7028, 29.3435
YIQ	237.6380, 46.1320, -43.1160

Conversions

Conversions Part 2

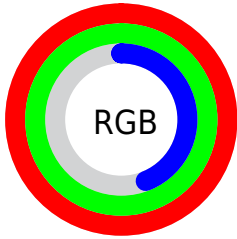
Format	Color
R_{YB}	115, 255, 113
Decimal	16776561
CIE _{Lab}	97.11, -16.73, 65.83
CIE _{LCh}	97, 67.918, 104.257
Yxy	92.7028, 0.3940, 0.4603
Android (android.graphics.Color)	4294966641 (0xFFFFFD71)
YUV	237.6380, -61.4465, 15.2265
Hunter-Lab	96.2823, -21.3848, 49.3281

Details

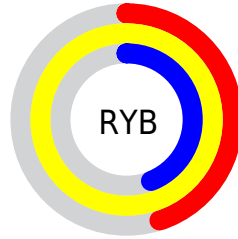
The Yxy color **92.7028, 0.3940, 0.4603** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **23.0022, 0.2047, 0.1519**, and the grayscale version is **85.6666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **51.9637, 0.4061, 0.4854** is the 20% darker color. If you saturate the color by 10%, you get **91.9827, 0.4046, 0.4772**, and if you desaturate by 10%, it is **93.5894, 0.3813, 0.4399**.

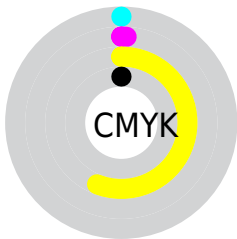
Distribution



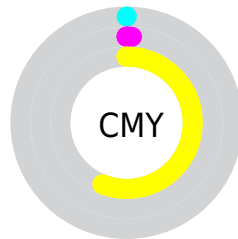
- Red (100%)
- Green (99%)
- Blue (44%)



- Red (45%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (1%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 92.7028, 0.3940, 0.4603 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 92.7028, 0.3940, 0.4603 by changing the saturation by 10% instead.


 92.7028, 0.3940,
0.4603


 92.7028, 0.3940,
0.4603

536.7843, 0.3617,
0.4032


 70.2245, 0.3998,
0.4719


 151.0871, 0.3840,
0.4416

 51.7096, 0.4061,
0.4854


 187.7619, 0.3798,
0.4339

 36.7736, 0.4127,
0.5011


 229.9376, 0.3760,
0.4273

 25.0323, 0.4191,
0.5193

277.9987, 0.3725,
0.4213

 16.1011, 0.4241,
0.5397

332.3295, 0.3694,
0.4160

 9.5957, 0.4308,
0.5692


393.3144, 0.3666,


 5.1317, 0.4173,


0.4113


0.5827


461.3379, 0.3640,
0.4071

 2.3248, 0.3954,
0.6046


 0.7868, 0.3014,
0.6986

 92.7028, 0.3940,
0.4603


 92.7028, 0.3940,
0.4603


 91.9827, 0.4046,
0.4772

 93.5894, 0.3813,
0.4399


 91.4081, 0.4128,
0.4900


 94.6477, 0.3670,
0.4170

 90.9651, 0.4182,
0.4983

 95.8912, 0.3519,
0.3926

 90.6336, 0.4211,
0.5024

 97.3299, 0.3364,
0.3675

 90.5121, 0.4218,
0.5033

 98.9734, 0.3211,
0.3427

100.0000, 0.3127,
0.3290

Harmonies

Analogous

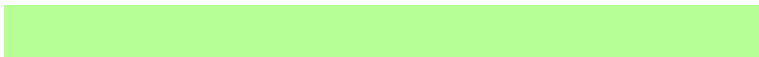
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7028, 0.4460, 0.4198



92.7028, 0.3940, 0.4603



92.7028, 0.3238, 0.4630

Triad

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



92.7028, 0.3940, 0.4603



92.7028, 0.1832, 0.2642



92.7028, 0.3635, 0.2622

Complementary

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



92.7028, 0.3940, 0.4603



23.0022, 0.2047, 0.1519

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.



92.7028, 0.2867, 0.2283



92.7028, 0.3940, 0.4603



92.7028, 0.1908, 0.2253

Square

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



92.7028, 0.3940, 0.4603



92.7028, 0.2044, 0.3324



92.7028, 0.2258, 0.2147



92.7028, 0.4314, 0.3104

Rectangle

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



92.7028, 0.3940, 0.4603



92.7028, 0.2762, 0.4345



92.7028, 0.2258, 0.2147



92.7028, 0.3374, 0.2490

Sweetspot

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



92.7052, 0.3940, 0.4603



97.1273, 0.3385, 0.3709



34.3254, 0.4791, 0.3272



20.7251, 0.3416, 0.3759



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.



92.7052, 0.3940, 0.4603



91.8982, 0.4059, 0.4791



83.2003, 0.3458, 0.4869



21.0443, 0.3269, 0.3522



47.3146, 0.4218, 0.5033



4.6204, 0.4215, 0.5035

Inverse Universe

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



23.0022, 0.2047, 0.1519



15.8561, 0.1828, 0.1155



28.9411, 0.2539, 0.1702



17.4187, 0.2978, 0.3048



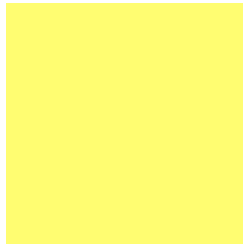
3.8310, 0.1502, 0.0608



0.3868, 0.1508, 0.0629

Previews

White Background



This preview shows how the Yxy color 92.7028, 0.3940, 0.4603 looks on a white background.

Color Contrast Check

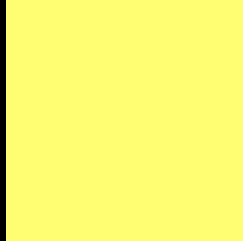
Large Text (above 18pt) WCAG AA × Fail

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 92.7028, 0.3940, 0.4603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

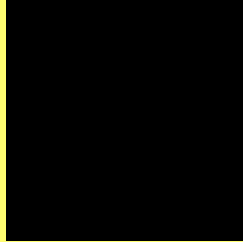
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.7028, 0.3940, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 92.7028, 0.3940, 0.4603.



This preview shows how white text looks on a background with the Yxy color 92.7028, 0.3940, 0.4603.

Color Blindness Simulation

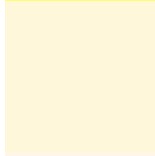
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



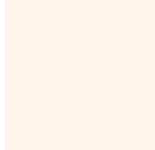
Original Color

92.7028, 0.3940, 0.4603



Protanopia

92.7913, 0.3363, 0.3586



Deuteranopia

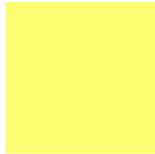
92.5053, 0.3259, 0.3398



Tritanopia

92.2633, 0.3163, 0.3223

Trichromacy



Original Color

92.7028, 0.3940, 0.4603



Protanomaly

92.2660, 0.3595, 0.3984



Deuteranomaly

92.1125, 0.3530, 0.3866



Tritanomaly

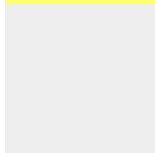
91.9517, 0.3469, 0.3756

Monochromacy



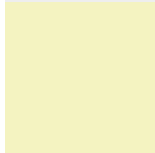
Original Color

92.7028, 0.3940, 0.4603



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.1845, 0.3445, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.7028, 0.3940, 0.4603 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, 253, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 113)  
}
```

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, 253, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 113) }
```

Border

The CSS property to change the border of an element to Yxy 92.7028, 0.3940, 0.4603 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, 253, 113) }
```

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

```
.border{ border-color:rgb(255, 253, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 92.7028, 0.3940, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 113) }
```

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

```
.background{ background-color: rgb(255,  
253, 113) }
```

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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