

Converting Colors

$Y_{xy}(100.0000, 0.4066, 0.5030)$

Have a look what the booklet for
Yxy(100.0000, 0.4066, 0.5030)
contains.

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Color

Yxy(92.8126, 0.4133, 0.4970)

Conversions

Conversions Part 1

Format	Color
Hex	FEFF31
RGB	254, 255, 49
RGB Percent	100%, 100%, 19%
CMY	0.0040, 0.0000, 0.8078
CMYK	0.00, 0.00, 0.81, 0.00
HSL	60°, 100%, 60%
HSV	60°, 81%, 100%
XYZ	77.1820, 92.8126, 16.7511
YIQ	231.2170, 65.5300, -64.2780

Conversions

Conversions Part 2

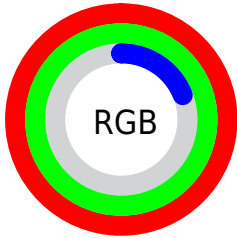
Format	Color
R _Y B	49, 255, 50
Decimal	16711473
CIE Lab	97.15, -21.25, 87.92
CIE LCh	97, 90.453, 103.585
Yxy	92.8126, 0.4133, 0.4970
Android (android.graphics.Color)	4294901553 (0xFFFEFF31)
YUV	231.2170, -89.8330, 19.9807
Hunter-Lab	96.3393, -25.5889, 57.1284

Details

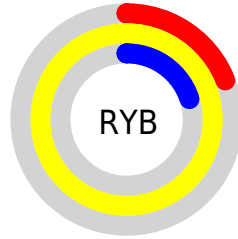
The Yxy color **92.8126, 0.4133, 0.4970** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.0951, 0.1624, 0.0801**, and the grayscale version is **80.7218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0178, 0.3921, 0.4603**, and **52.1843, 0.4141, 0.5094** is the 20% darker color. If you saturate the color by 10%, you get **92.6271, 0.4170, 0.5033**, and if you desaturate by 10%, it is **93.1120, 0.4070, 0.4863**.

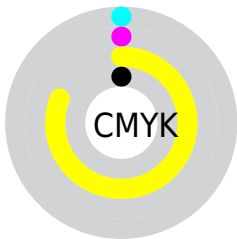
Distribution



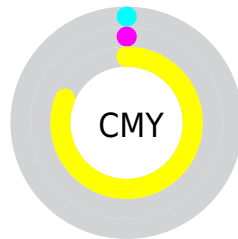
- Red (100%)
- Green (100%)
- Blue (19%)



- Red (19%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.8126, 0.4133, 0.4970 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 92.8126, 0.4133, 0.4970 by changing the saturation by 10% instead.


 92.8126, 0.4133,
0.4970

 92.8126, 0.4133,
0.4970


537.1383, 0.3773,
0.4273


 70.3158, 0.4184,
0.5098


 151.2391, 0.4033,
0.4752


 51.7840, 0.4231,
0.5240


 187.9376, 0.3987,
0.4660

 36.8329, 0.4267,
0.5393


 230.1388, 0.3944,
0.4577

 25.0782, 0.4282,
0.5554

 278.2270, 0.3904,
0.4503

 16.1353, 0.4269,
0.5731

 332.5866, 0.3867,
0.4437

 9.6199, 0.4151,
0.5849


393.6021, 0.3833,


 5.1477, 0.3978,


0.4377


0.6022


461.6579, 0.3802,
0.4322


 2.3342, 0.3697,
0.6303


 0.7917, 0.2280,
0.7720

 92.8126, 0.4133,
0.4970


 92.8126, 0.4133,
0.4970


 92.6271, 0.4170,
0.5033

 93.1120, 0.4070,
0.4863

 92.5413, 0.4184,
0.5059

 93.5548, 0.3980,
0.4713

 94.1520, 0.3867,
0.4523

 94.9168, 0.3736,
0.4303

 95.8607, 0.3591,
0.4062

 96.9944, 0.3440,
0.3811

 98.3278, 0.3288,
0.3557

99.8699, 0.3139,
0.3309

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.



92.8126, 0.4829, 0.4359



92.8126, 0.4133, 0.4970



92.8126, 0.3234, 0.5130

Triad

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



92.8126, 0.4133, 0.4970



92.8126, 0.1497, 0.2428



92.8126, 0.3762, 0.2422

Complementary

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



92.8126, 0.4133, 0.4970



10.0951, 0.1624, 0.0801

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.



92.8126, 0.2750, 0.2016



92.8126, 0.4133, 0.4970



92.8126, 0.1588, 0.1964

Square

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



92.8126, 0.4133, 0.4970



92.8126, 0.1740, 0.3324



92.8126, 0.1999, 0.1850



92.8126, 0.4688, 0.3000

Rectangle

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



92.8126, 0.4133, 0.4970



92.8126, 0.2630, 0.4772



92.8126, 0.1999, 0.1850



92.8126, 0.3411, 0.2263

Sweetspot

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



92.8088, 0.4133, 0.4970



96.6086, 0.3489, 0.3892



23.6782, 0.5975, 0.3298



20.5918, 0.3543, 0.3982



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.



92.8088, 0.4133, 0.4970



92.5652, 0.4181, 0.5052



78.4171, 0.3442, 0.5479



21.0859, 0.3268, 0.3525



48.3569, 0.4185, 0.5059



4.7098, 0.4186, 0.5059

Inverse Universe

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



10.0951, 0.1624, 0.0801



7.4433, 0.1511, 0.0616



16.0918, 0.2226, 0.1116



17.3821, 0.2979, 0.3044



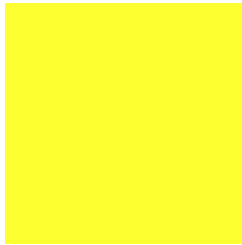
3.7787, 0.1502, 0.0601



0.3694, 0.1505, 0.0603

Previews

White Background



This preview shows how the Yxy color 92.8126, 0.4133, 0.4970 looks on a white background.

Color Contrast Check

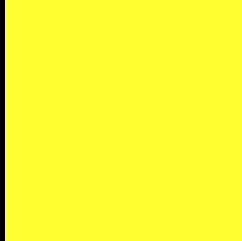
Large Text (above 18pt) WCAG AA × Fail

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 92.8126, 0.4133, 0.4970 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 92.8126, 0.4133, 0.4970

Background



This preview shows how black text looks on a background with the Yxy color 92.8126, 0.4133, 0.4970.



This preview shows how white text looks on a background with the Yxy color 92.8126, 0.4133, 0.4970.

Color Blindness Simulation

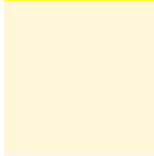
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



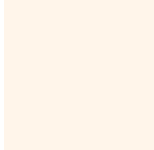
Original Color

92.8126, 0.4133, 0.4970



Protanopia

92.7394, 0.3369, 0.3596



Deuteranopia

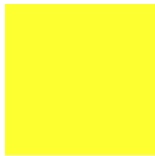
92.5053, 0.3259, 0.3398



Tritanopia

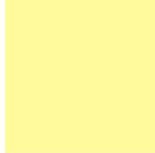
92.2633, 0.3163, 0.3223

Trichromacy



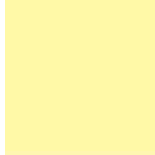
Original Color

92.8126, 0.4133, 0.4970



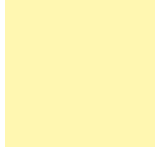
Protanomaly

91.9978, 0.3734, 0.4224



Deuteranomaly

91.8014, 0.3667, 0.4101



Tritanomaly

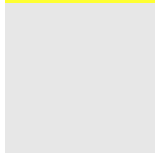
90.9559, 0.3612, 0.3986

Monochromacy



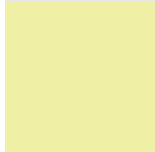
Original Color

92.8126, 0.4133, 0.4970



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

83.3875, 0.3592, 0.4073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.8126, 0.4133, 0.4970 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(254, 255, 49)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 49)  
}
```

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(254, 255, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 49) }
```

Border

The CSS property to change the border of an element to Yxy 92.8126, 0.4133, 0.4970 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(254, 255, 49) }
```

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

```
.border{ border-color:rgb(254, 255, 49) }
```

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

Here you see how a box with a 4 pixel rgb(254, 255, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 49);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 92.8126, 0.4133, 0.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 49) }
```

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

```
.background{ background-color: rgb(254,  
255, 49) }
```

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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