

Converting Colors

$Yxy(93.0216, 0.4135, 0.4957)$

Have a look what the booklet for
Yxy(93.0216, 0.4135, 0.4957)
contains.

Yxy(93.0190, 0.4136, 0.4958)	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(93.0190, 0.4136, 0.4958)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF33
RGB	255, 255, 51
RGB Percent	100%, 100%, 20%
CMY	0.0000, 0.0000, 0.7999
CMYK	0.00, 0.00, 0.80, 0.00
HSL	60°, 100%, 60%
HSV	60°, 80%, 100%
XYZ	77.5971, 93.0190, 16.9978
YIQ	231.7440, 65.4840, -63.4440

Conversions

Conversions Part 2

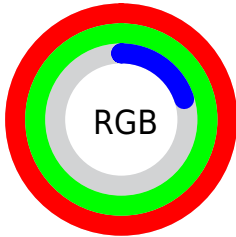
Format	Color
R _Y B	51, 255, 51
Decimal	16777011
CIE Lab	97.24, -20.77, 87.54
CIE LCh	97, 89.974, 103.348
Yxy	93.0190, 0.4136, 0.4958
Android (android.graphics.Color)	4294967091 (0xFFFFFFFF33)
YUV	231.7440, -89.1068, 20.3955
Hunter-Lab	96.4464, -25.1667, 57.0631

Details

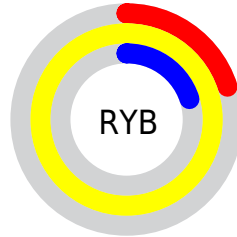
The Yxy color **93.0190, 0.4136, 0.4958** is a light color, and the websafe version is hex **FFFF33**, and the color name is **electric yellow**. The color can be described as light washed yellow. A complement of this color would be **10.2939, 0.1630, 0.0814**, and the grayscale version is **81.1378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.8518, 0.4176, 0.5023**, and if you desaturate by 10%, it is **93.3086, 0.4070, 0.4849**.

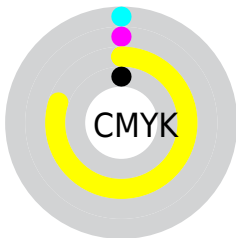
Distribution



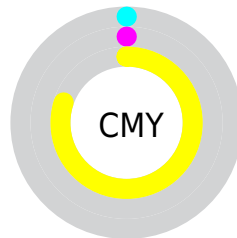
- Red (100%)
- Green (100%)
- Blue (20%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.0190, 0.4136, 0.4958 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 93.0190, 0.4136, 0.4958 by changing the saturation by 10% instead.


 93.0190, 0.4136,
0.4958


 93.0190, 0.4136,
0.4958


537.8034, 0.3773,
0.4266


 70.4873, 0.4188,
0.5086


 151.5249, 0.4035,
0.4741


 51.9239, 0.4236,
0.5226


 188.2679, 0.3988,
0.4650


 36.9444, 0.4274,
0.5378


 230.5168, 0.3945,
0.4568

 25.1645, 0.4291,
0.5538

 278.6560, 0.3905,
0.4495

 16.1996, 0.4283,
0.5717

 333.0698, 0.3868,
0.4429

 9.6655, 0.4169,
0.5831


394.1428, 0.3834,


 5.1778, 0.4000,


0.4369


0.6000


462.2591, 0.3802,
0.4315


 2.3519, 0.3727,
0.6273

 0.8010, 0.2409,
0.7591

 93.0190, 0.4136,
0.4958

 93.0190, 0.4136,
0.4958


 92.8518, 0.4176,
0.5023


 93.3086, 0.4070,
0.4849


 92.7793, 0.4193,
0.5053


 93.7393, 0.3977,
0.4696


 92.7793, 0.4193,
0.5053

 94.3256, 0.3862,
0.4505

 95.0803, 0.3728,
0.4284

 96.0151, 0.3582,
0.4042

 97.1405, 0.3430,
0.3790

 98.4662, 0.3277,
0.3537

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.



93.0190, 0.4825, 0.4350



93.0190, 0.4136, 0.4958



93.0190, 0.3242, 0.5119

Triad

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



93.0190, 0.4136, 0.4958



93.0190, 0.1505, 0.2439



93.0190, 0.3751, 0.2423

Complementary

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



93.0190, 0.4136, 0.4958



10.2939, 0.1630, 0.0814

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.



93.0190, 0.2745, 0.2020



93.0190, 0.4136, 0.4958



93.0190, 0.1593, 0.1973

Square

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



93.0190, 0.4136, 0.4958



93.0190, 0.1751, 0.3333



93.0190, 0.2000, 0.1857



93.0190, 0.4674, 0.2998

Rectangle

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



93.0190, 0.4136, 0.4958



93.0190, 0.2641, 0.4768



93.0190, 0.2000, 0.1857



93.0190, 0.3402, 0.2265

Sweetspot

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



93.0186, 0.4136, 0.4958



96.6659, 0.3491, 0.3892



23.8686, 0.5945, 0.3298



20.6059, 0.3545, 0.3981



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.



93.0186, 0.4136, 0.4958



92.8017, 0.4188, 0.5044



78.5325, 0.3444, 0.5465



21.0908, 0.3269, 0.3525



48.4792, 0.4193, 0.5053



4.7203, 0.4193, 0.5053

Inverse Universe

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



10.2939, 0.1630, 0.0814



7.5073, 0.1513, 0.0621



16.3627, 0.2236, 0.1130



17.3778, 0.2978, 0.3044



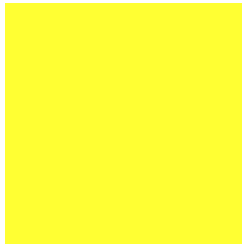
3.7726, 0.1500, 0.0600



0.3673, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.0190, 0.4136, 0.4958 looks on a white background.

Color Contrast Check

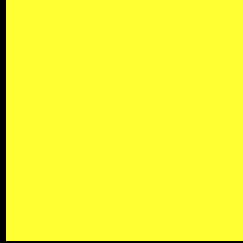
Large Text (above 18pt) WCAG AA × Fail

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 93.0190, 0.4136, 0.4958 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 93.0190, 0.4136, 0.4958

Background



This preview shows how black text looks on a background with the Yxy color 93.0190, 0.4136, 0.4958.



This preview shows how white text looks on a background with the Yxy color 93.0190, 0.4136, 0.4958.

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



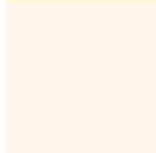
Original Color

93.0190, 0.4136, 0.4958



Protanopia

92.7913, 0.3363, 0.3586



Deuteranopia

92.5053, 0.3259, 0.3398



Tritanopia

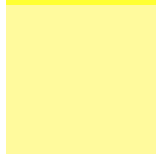
92.8635, 0.3162, 0.3232

Trichromacy



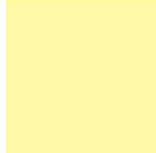
Original Color

93.0190, 0.4136, 0.4958



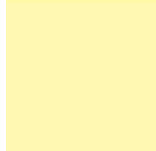
Protanomaly

92.0655, 0.3723, 0.4205



Deuteranomaly

91.8014, 0.3667, 0.4101



Tritanomaly

91.6092, 0.3604, 0.3985

Monochromacy



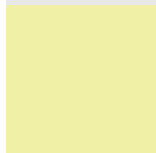
Original Color

93.0190, 0.4136, 0.4958



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

83.5986, 0.3593, 0.4060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0190, 0.4136, 0.4958 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, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 51)  
}
```

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, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 93.0190, 0.4136, 0.4958 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, 255, 51) }
```

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

```
.border{ border-color:rgb(255, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0190, 0.4136, 0.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 51) }
```

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

```
.background{ background-color: rgb(255,  
255, 51) }
```

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