

Converting Colors

$Y_{xy}(44.6870, 0.3893, 0.5291)$

Have a look what the booklet for
Yxy(44.6870, 0.3893, 0.5291)
contains.

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Color

Yxy(44.5307, 0.3890, 0.5293)

Conversions

Conversions Part 1

Format	Color
Hex	9EBF00
RGB	158, 191, 0
RGB Percent	62%, 75%, 0%
CMY	0.3805, 0.2509, 0.9995
CMYK	0.17, 0.00, 1.00, 0.25
HSL	70°, 100%, 37%
HSV	70°, 100%, 75%
XYZ	32.7271, 44.5307, 6.8735
YIQ	159.3590, 41.6430, -66.3970

Conversions

Conversions Part 2

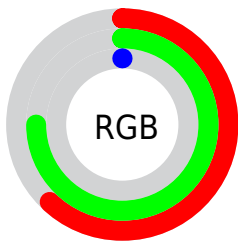
Format	Color
RYB	0, 191, 33
Decimal	10403584
CIELab	72.58, -31.37, 73.09
CIELCh	73, 79.539, 113.227
Yxy	44.5307, 0.3890, 0.5293
Android (android.graphics.Color)	4288593664 (0xFF9EBF00)
YUV	159.3590, -78.5640, -1.1918
Hunter-Lab	66.7313, -29.2380, 40.6049

Details

The Yxy color **44.5307, 0.3890, 0.5293** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.0912, 0.1576, 0.0642**, and the grayscale version is **35.2024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7145, 0.3822, 0.4952**, and **20.9437, 0.3737, 0.5415** is the 20% darker color. If you saturate the color by 10%, you get **44.5301, 0.3890, 0.5293**, and if you desaturate by 10%, it is **44.9200, 0.3898, 0.5226**.

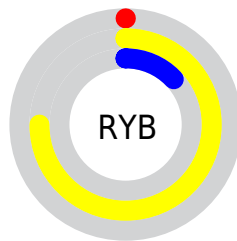
Distribution



Red (62%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (13%)

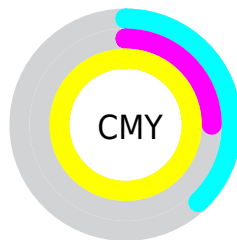


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (38%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5307, 0.3890, 0.5293 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 44.5307, 0.3890, 0.5293 by changing the saturation by 10% instead.


 44.5307, 0.3890,
0.5293


 44.5307, 0.3890,
0.5293


364.8695, 0.3613,
0.4307


 31.0879, 0.3909,
0.5505


 82.0157, 0.3824,
0.4954

 20.6658, 0.3903,
0.5749


 106.8268, 0.3788,
0.4820


 12.8799, 0.3892,
0.6097


 136.1961, 0.3754,
0.4704

 7.3459, 0.3687,
0.6313

 170.5079, 0.3721,
0.4603

 3.6794, 0.3367,
0.6633

 210.1468, 0.3691,
0.4515

 1.4959, 0.2717,
0.7283

 255.4971, 0.3663,

 0.2858, 0.0000,

0.4437

1.0000

306.9432, 0.3637,
0.4368

■ 0.0000, 0.0000,
0.0000

■ 44.5307, 0.3890,
0.5293

■ 44.5307, 0.3890,
0.5293

■ 44.5301, 0.3890,
0.5293

■ 44.9200, 0.3898,
0.5226

■ 45.3632, 0.3885,
0.5121

■ 45.8789, 0.3847,
0.4971

■ 46.4757, 0.3784,
0.4780

■ 47.1608, 0.3699,
0.4556

■ 47.9407, 0.3598,
0.4309

■ 48.8210, 0.3485,
0.4050

■ 49.8070, 0.3366,
0.3789

■ 50.9036, 0.3245,
0.3533

Harmonies

Analogous

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



44.5307, 0.4766, 0.4662



44.5307, 0.3890, 0.5293



44.5307, 0.2886, 0.5250

Triad

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



44.5307, 0.3890, 0.5293



44.5307, 0.1346, 0.2111



44.5307, 0.4205, 0.2517

Complementary

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



44.5307, 0.3890, 0.5293



4.0912, 0.1576, 0.0642

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.



44.5307, 0.3040, 0.2013



44.5307, 0.3890, 0.5293



44.5307, 0.1552, 0.1759

Square

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



44.5307, 0.3890, 0.5293



44.5307, 0.1474, 0.2933



44.5307, 0.2104, 0.1747



44.5307, 0.5097, 0.3171

Rectangle

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



44.5307, 0.3890, 0.5293



44.5307, 0.2262, 0.4639



44.5307, 0.2104, 0.1747



44.5307, 0.3817, 0.2327

Sweetspot

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



44.5327, 0.3890, 0.5293



87.3364, 0.3491, 0.4065



12.1082, 0.6235, 0.3431



19.0265, 0.3541, 0.4176



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



44.5327, 0.3890, 0.5293



79.6481, 0.3885, 0.5297



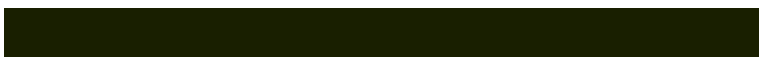
38.3489, 0.3170, 0.5864



11.0347, 0.3238, 0.3519



29.2916, 0.3894, 0.5290



1.1697, 0.3970, 0.5230

Inverse Universe

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



4.0912, 0.1576, 0.0642



7.2468, 0.1567, 0.0637



8.3065, 0.2382, 0.1086



9.3026, 0.3010, 0.3055



2.7102, 0.1585, 0.0647



0.1310, 0.1796, 0.0763

Previews

White Background



This preview shows how the Yxy color 44.5307, 0.3890, 0.5293 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 44.5307, 0.3890, 0.5293 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 44.5307, 0.3890, 0.5293

Background



This preview shows how black text looks on a background with the Yxy color 44.5307, 0.3890, 0.5293.



This preview shows how white text looks on a background with the Yxy color 44.5307, 0.3890, 0.5293.

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

44.5307, 0.3890, 0.5293

Protanopia

44.1201, 0.4402, 0.4887

Deuteranopia

43.9681, 0.4660, 0.4550



Tritanopia

44.5308, 0.2975, 0.3105

Trichromacy



Original Color

44.5307, 0.3890, 0.5293

Protanomaly

44.1813, 0.4212, 0.5038

Deuteranomaly

43.3880, 0.4391, 0.4825

Tritanomaly

43.5969, 0.3482, 0.4149

Monochromacy



Original Color

44.5307, 0.3890, 0.5293

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

37.4363, 0.3606, 0.4326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5307, 0.3890, 0.5293 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(158, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 191, 0)  
}
```

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(158, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.5307, 0.3890, 0.5293 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(158, 191, 0) }
```

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

```
.border{ border-color:rgb(158, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5307, 0.3890, 0.5293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 191, 0) }
```

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

```
.background{ background-color: rgb(158,  
191, 0) }
```

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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