

Converting Colors

$Y_{xy}(44.7195, 0.3896, 0.5289)$

Have a look what the booklet for
Yxy(44.7195, 0.3896, 0.5289)
contains.

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Color

Yxy(44.6325, 0.3900, 0.5286)

Conversions

Conversions Part 1

Format	Color
Hex	9FBF00
RGB	159, 191, 0
RGB Percent	62%, 75%, 0%
CMY	0.3764, 0.2510, 1.0000
CMYK	0.17, 0.00, 1.00, 0.25
HSL	70°, 100%, 37%
HSV	70°, 100%, 75%
XYZ	32.9298, 44.6325, 6.8730
YIQ	159.6580, 42.2390, -66.1850

Conversions

Conversions Part 2

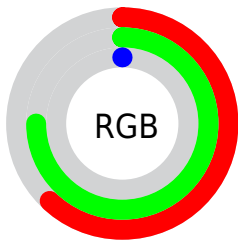
Format	Color
RYB	0, 191, 32
Decimal	10469120
CIELab	72.65, -30.94, 73.21
CIELCh	73, 79.479, 112.908
Yxy	44.6325, 0.3900, 0.5286
Android (android.graphics.Color)	4288659200 (0xFF9FBF00)
YUV	159.6580, -78.7114, -0.5771
Hunter-Lab	66.8076, -28.9297, 40.6657

Details

The Yxy color **44.6325, 0.3900, 0.5286** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.0686, 0.1572, 0.0640**, and the grayscale version is **35.3452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0210, 0.3836, 0.4943**, and **21.0017, 0.3749, 0.5405** is the 20% darker color. If you saturate the color by 10%, you get **44.6350, 0.3900, 0.5286**, and if you desaturate by 10%, it is **45.0137, 0.3907, 0.5220**.

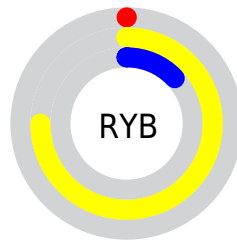
Distribution



Red (62%)

Green (75%)

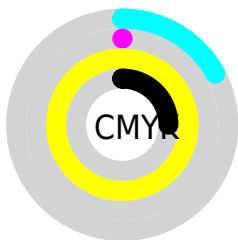
Blue (0%)



Red (0%)

Yellow (75%)

Blue (13%)

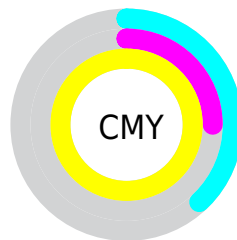


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (38%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6325, 0.3900, 0.5286 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 44.6325, 0.3900, 0.5286 by changing the saturation by 10% instead.

 44.6325, 0.3900,
0.5286

 44.6325, 0.3900,
0.5286


365.2831, 0.3618,
0.4305


 31.1681, 0.3921,
0.5497


 82.1687, 0.3832,
0.4949


 20.7269, 0.3916,
0.5738


 107.0092, 0.3796,
0.4816

 12.9245, 0.3908,
0.6082

 136.4105, 0.3761,
0.4700

 7.3766, 0.3706,
0.6294

 170.7570, 0.3728,
0.4600

 3.6987, 0.3391,
0.6609

 210.4332, 0.3697,
0.4512

 1.5065, 0.2765,
0.7235

 255.8233, 0.3669,

 0.2933, 0.0000,

0.4435

1.0000

307.3118, 0.3642,
0.4366

■ 0.0000, 0.0000,
0.0000

■ 44.6325, 0.3900,
0.5286

■ 44.6325, 0.3900,
0.5286

■ 44.6350, 0.3900,
0.5286

■ 45.0137, 0.3907,
0.5220

■ 45.4474, 0.3893,
0.5116

■ 45.9531, 0.3854,
0.4967

■ 46.5392, 0.3790,
0.4778

■ 47.2130, 0.3705,
0.4555

■ 47.9809, 0.3603,
0.4309

■ 48.8486, 0.3489,
0.4051

■ 49.8213, 0.3369,
0.3791

■ 50.9041, 0.3247,
0.3535

Harmonies

Analogous

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



44.6325, 0.4772, 0.4653



44.6325, 0.3900, 0.5286



44.6325, 0.2897, 0.5253

Triad

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



44.6325, 0.3900, 0.5286



44.6325, 0.1347, 0.2119



44.6325, 0.4192, 0.2512

Complementary

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



44.6325, 0.3900, 0.5286



4.0686, 0.1572, 0.0640

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.



44.6325, 0.3028, 0.2010



44.6325, 0.3900, 0.5286



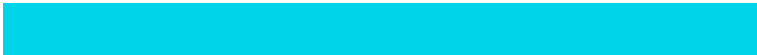
44.6325, 0.1550, 0.1763

Square

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



44.6325, 0.3900, 0.5286



44.6325, 0.1479, 0.2946



44.6325, 0.2098, 0.1747



44.6325, 0.5088, 0.3164

Rectangle

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



44.6325, 0.3900, 0.5286



44.6325, 0.2273, 0.4649



44.6325, 0.2098, 0.1747



44.6325, 0.3803, 0.2322

Sweetspot

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



44.6350, 0.3900, 0.5286



87.4074, 0.3494, 0.4064



12.1008, 0.6236, 0.3430



19.0441, 0.3544, 0.4175



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.



44.6350, 0.3900, 0.5286



79.8464, 0.3895, 0.5289



38.3417, 0.3170, 0.5865



11.0375, 0.3239, 0.3518



29.3628, 0.3904, 0.5282



1.1720, 0.3977, 0.5224

Inverse Universe

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



4.0686, 0.1572, 0.0640



7.2173, 0.1563, 0.0635



8.2995, 0.2382, 0.1086



9.3001, 0.3009, 0.3055



2.6981, 0.1580, 0.0644



0.1299, 0.1787, 0.0758

Previews

White Background



This preview shows how the Yxy color 44.6325, 0.3900, 0.5286 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 44.6325, 0.3900, 0.5286 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 44.6325, 0.3900, 0.5286

Background



This preview shows how black text looks on a background with the Yxy color 44.6325, 0.3900, 0.5286.

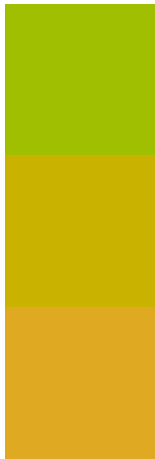


This preview shows how white text looks on a background with the Yxy color 44.6325, 0.3900, 0.5286.

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

44.6325, 0.3900, 0.5286

Protanopia

44.2583, 0.4411, 0.4880

Deuteranopia

44.3387, 0.4650, 0.4560



Tritanopia

44.6452, 0.2983, 0.3106

Trichromacy



Original Color

44.6325, 0.3900, 0.5286

Protanomaly

44.3061, 0.4221, 0.5030

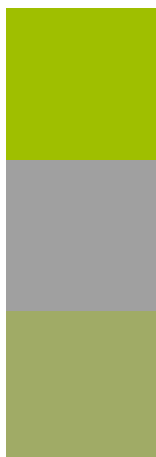
Deuteranomaly

43.7816, 0.4381, 0.4833

Tritanomaly

43.7071, 0.3491, 0.4146

Monochromacy



Original Color

44.6325, 0.3900, 0.5286

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.5587, 0.3608, 0.4308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6325, 0.3900, 0.5286 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(159, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.6325, 0.3900, 0.5286 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(159, 191, 0) }
```

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

```
.border{ border-color:rgb(159, 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(159, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6325, 0.3900, 0.5286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 191, 0) }
```

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

```
.background{ background-color: rgb(159,  
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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