

Converting Colors

$Y_{xy}(60.6308, 0.3775, 0.5385)$

Have a look what the booklet for
Yxy(60.6308, 0.3775, 0.5385)
contains.

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Color

Yxy(60.6776, 0.3772, 0.5387)

Conversions

Conversions Part 1

Format	Color
Hex	A9DE00
RGB	169, 222, 0
RGB Percent	66%, 87%, 0%
CMY	0.3372, 0.1294, 0.9999
CMYK	0.24, 0.00, 1.00, 0.13
HSL	74°, 100%, 44%
HSV	74°, 100%, 87%
XYZ	42.4867, 60.6776, 9.4728
YIQ	180.8450, 39.6740, -80.2780

Conversions

Conversions Part 2

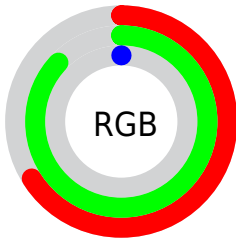
Format	Color
RYB	0, 222, 53
Decimal	11132416
CIELab	82.21, -40.99, 80.70
CIElCh	82, 90.514, 116.930
Yxy	60.6776, 0.3772, 0.5387
Android (android.graphics.Color)	4289322496 (0xFFA9DE00)
YUV	180.8450, -89.1566, -10.3881
Hunter-Lab	77.8958, -38.9585, 47.3169

Details

The Yxy color **60.6776, 0.3772, 0.5387** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.0320, 0.1625, 0.0669**, and the grayscale version is **46.6011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8661, 0.3853, 0.4906**, and **31.0169, 0.3619, 0.5509** is the 20% darker color. If you saturate the color by 10%, you get **60.6794, 0.3772, 0.5387**, and if you desaturate by 10%, it is **61.3372, 0.3794, 0.5314**.

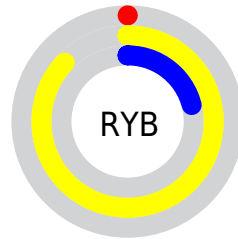
Distribution



Red (66%)

Green (87%)

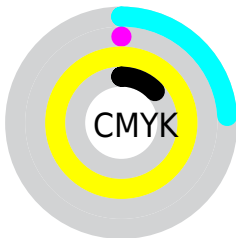
Blue (0%)



Red (0%)

Yellow (87%)

Blue (21%)

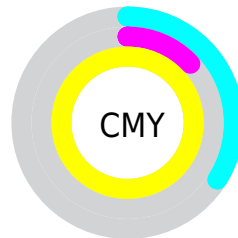


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (34%)


Magenta (13%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6776, 0.3772, 0.5387 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 60.6776, 0.3772, 0.5387 by changing the saturation by 10% instead.


 60.6776, 0.3772,
0.5387


 60.6776, 0.3772,
0.5387


 427.0909, 0.3576,
0.4395


 43.9650, 0.3776,
0.5594


 105.8120, 0.3734,
0.5053


 30.6430, 0.3757,
0.5832


 135.0026, 0.3710,
0.4919


 20.3272, 0.3699,
0.6106


 169.1213, 0.3685,
0.4802

 12.6331, 0.3575,
0.6425

 208.5526, 0.3661,
0.4700

 7.1764, 0.3296,
0.6704

 253.6808, 0.3638,
0.4610

 3.5727, 0.2871,
0.7129

 304.8903, 0.3616,

 1.4375, 0.1647,

0.4530

0.8353

362.5656, 0.3595,
0.4459

■ 0.2441, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.6776, 0.3772,
0.5387

■ 60.6776, 0.3772,
0.5387

■ 60.6794, 0.3772,
0.5387

■ 61.3372, 0.3794,
0.5314

■ 62.0856, 0.3795,
0.5199

■ 62.9478, 0.3770,
0.5037

■ 63.9364, 0.3719,
0.4832

■ 65.0622, 0.3647,
0.4595

■ 66.3346, 0.3557,
0.4337

■ 67.7621, 0.3456,
0.4068

■ 69.3524, 0.3347,
0.3799

■ 71.1127, 0.3237,
0.3538

Harmonies

Analogous

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



60.6776, 0.4697, 0.4776



60.6776, 0.3772, 0.5387



60.6776, 0.2748, 0.5229

Triad

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



60.6776, 0.3772, 0.5387



60.6776, 0.1321, 0.2016



60.6776, 0.4374, 0.2575

Complementary

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



60.6776, 0.3772, 0.5387



6.0320, 0.1625, 0.0669

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.



60.6776, 0.3177, 0.2039



60.6776, 0.3772, 0.5387



60.6776, 0.1570, 0.1710

Square

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



60.6776, 0.3772, 0.5387



60.6776, 0.1403, 0.2785



60.6776, 0.2178, 0.1736



60.6776, 0.5212, 0.3249

Rectangle

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



60.6776, 0.3772, 0.5387



60.6776, 0.2133, 0.4522



60.6776, 0.2178, 0.1736



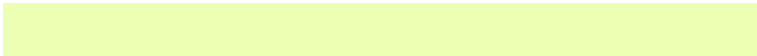
60.6776, 0.3983, 0.2375

Sweetspot

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



60.6803, 0.3772, 0.5387



92.7143, 0.3458, 0.4075



17.9703, 0.6130, 0.3514



19.6618, 0.3502, 0.4190



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.



60.6803, 0.3772, 0.5387



83.0071, 0.3769, 0.5390



53.1798, 0.3107, 0.5915



15.8561, 0.3231, 0.3524



36.0955, 0.3778, 0.5382



2.5421, 0.3845, 0.5329

Inverse Universe

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



6.0320, 0.1625, 0.0669



8.2078, 0.1619, 0.0666



13.0411, 0.2535, 0.1170



13.4004, 0.3018, 0.3050



3.6248, 0.1636, 0.0675



0.2922, 0.1790, 0.0760

Previews

White Background



This preview shows how the Yxy color 60.6776, 0.3772, 0.5387 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 60.6776, 0.3772, 0.5387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

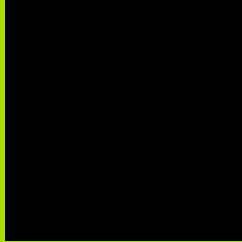
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.6776, 0.3772, 0.5387

Background



This preview shows how black text looks on a background with the Yxy color 60.6776, 0.3772, 0.5387.



This preview shows how white text looks on a background with the Yxy color 60.6776, 0.3772, 0.5387.

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

60.6776, 0.3772, 0.5387

Protanopia

60.0087, 0.4410, 0.4880

Deuteranopia

60.1593, 0.4576, 0.4490



Tritanopia

60.2891, 0.2889, 0.3089

Trichromacy



Original Color

60.6776, 0.3772, 0.5387

Protanomaly

59.9984, 0.4168, 0.5072

Deuteranomaly

59.1730, 0.4306, 0.4837

Tritanomaly

58.9850, 0.3380, 0.4178

Monochromacy



Original Color

60.6776, 0.3772, 0.5387

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

50.0648, 0.3570, 0.4363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6776, 0.3772, 0.5387 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(169, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 222, 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(169, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 222, 0) }
```

Border

The CSS property to change the border of an element to Yxy 60.6776, 0.3772, 0.5387 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(169, 222, 0) }
```

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

```
.border{ border-color:rgb(169, 222, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 222,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6776, 0.3772, 0.5387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 222, 0) }
```

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

```
.background{ background-color: rgb(169,  
222, 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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