

Converting Colors

$Yxy(66.1778, 0.3714, 0.5433)$

Have a look what the booklet for
Yxy(66.1778, 0.3714, 0.5433)
contains.

Yxy(66.1482, 0.3714, 0.5433)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.1482, 0.3714, 0.5433)

Conversions

Conversions Part 1

Format	Color
Hex	A9E800
RGB	169, 232, 0
RGB Percent	66%, 91%, 0%
CMY	0.3373, 0.0902, 0.9998
CMYK	0.27, 0.00, 1.00, 0.09
HSL	76°, 100%, 46%
HSV	76°, 100%, 91%
XYZ	45.2189, 66.1482, 10.3855
YIQ	186.7150, 36.9240, -85.5080

Conversions

Conversions Part 2

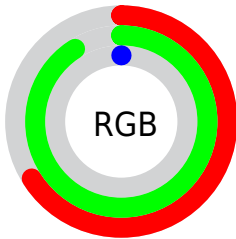
Format	Color
RYB	0, 232, 63
Decimal	11134976
CIELab	85.07, -45.33, 82.88
CIELCh	85, 94.466, 118.673
Yxy	66.1482, 0.3714, 0.5433
Android (android.graphics.Color)	4289325056 (0xFFA9E800)
YUV	186.7150, -92.0505, -15.5361
Hunter-Lab	81.3315, -43.0873, 49.3611

Details

The Yxy color **66.1482, 0.3714, 0.5433** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **6.8869, 0.1657, 0.0687**, and the grayscale version is **50.0439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8993, 0.3846, 0.4893**, and **34.3657, 0.3553, 0.5561** is the 20% darker color. If you saturate the color by 10%, you get **66.1491, 0.3714, 0.5433**, and if you desaturate by 10%, it is **66.9279, 0.3742, 0.5356**.

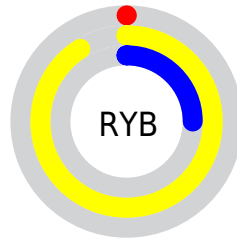
Distribution



Red (66%)

Green (91%)

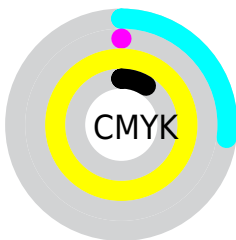
Blue (0%)



Red (0%)

Yellow (91%)

Blue (25%)

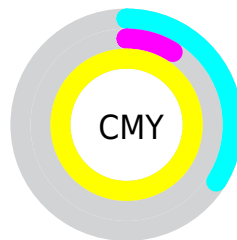


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (34%)


Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1482, 0.3714, 0.5433 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 66.1482, 0.3714, 0.5433 by changing the saturation by 10% instead.


 66.1482, 0.3714,
0.5433


 66.1482, 0.3714,
0.5433


446.9067, 0.3551,
0.4428

 48.3927, 0.3711,
0.5642


 113.6990, 0.3688,
0.5096


 34.1380, 0.3685,
0.5883


 144.2631, 0.3668,
0.4960


 22.9996, 0.3619,
0.6155


 179.8656, 0.3648,
0.4842

 14.5932, 0.3503,
0.6497

 220.8908, 0.3627,
0.4738

 8.5344, 0.3225,
0.6775

 267.7231, 0.3607,
0.4646

 4.4388, 0.2813,
0.7187

 320.7469, 0.3587,

 1.9219, 0.1996,

0.4565

0.8004

380.3467, 0.3569,
0.4493

■ 0.5615, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1482, 0.3714,
0.5433

■ 66.1482, 0.3714,
0.5433

■ 66.1491, 0.3714,
0.5433


■ 66.9279, 0.3742,
0.5356

■ 67.8139, 0.3749,
0.5235


■ 68.8335, 0.3730,
0.5067

■ 70.0009, 0.3685,
0.4856

 71.3284, 0.3619,
0.4612

 72.8264, 0.3535,
0.4348

 74.5047, 0.3439,
0.4074

 76.3720, 0.3337,
0.3802

 78.4365, 0.3231,
0.3539

Harmonies

Analogous

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



66.1482, 0.4662, 0.4832



66.1482, 0.3714, 0.5433



66.1482, 0.2681, 0.5215

Triad

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



66.1482, 0.3714, 0.5433



66.1482, 0.1308, 0.1971



66.1482, 0.4456, 0.2602

Complementary

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



66.1482, 0.3714, 0.5433



6.8869, 0.1657, 0.0687

Split Complementary

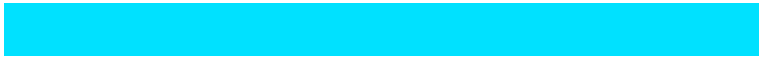
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.1482, 0.3246, 0.2051



66.1482, 0.3714, 0.5433



66.1482, 0.1579, 0.1687

Square

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



66.1482, 0.3714, 0.5433



66.1482, 0.1370, 0.2715



66.1482, 0.2214, 0.1731



66.1482, 0.5266, 0.3285

Rectangle

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



66.1482, 0.3714, 0.5433



66.1482, 0.2071, 0.4463



66.1482, 0.2214, 0.1731



66.1482, 0.4064, 0.2398

Sweetspot

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



66.1511, 0.3714, 0.5433



92.2840, 0.3441, 0.4079



20.5928, 0.6063, 0.3567



19.5583, 0.3483, 0.4196



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.



66.1511, 0.3714, 0.5433



81.9254, 0.3711, 0.5435



58.5055, 0.3082, 0.5934



16.6100, 0.3226, 0.3525



36.7869, 0.3722, 0.5427



2.7637, 0.3793, 0.5370

Inverse Universe

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



6.8869, 0.1657, 0.0687



8.4951, 0.1653, 0.0684



15.2793, 0.2617, 0.1215



14.0756, 0.3022, 0.3050



3.8748, 0.1670, 0.0694



0.3312, 0.1821, 0.0777

Previews

White Background



This preview shows how the Yxy color 66.1482, 0.3714, 0.5433 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 66.1482, 0.3714, 0.5433 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 66.1482, 0.3714, 0.5433

Background



This preview shows how black text looks on a background with the Yxy color 66.1482, 0.3714, 0.5433.



This preview shows how white text looks on a background with the Yxy color 66.1482, 0.3714, 0.5433.

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

66.1482, 0.3714, 0.5433

Protanopia

65.4377, 0.4410, 0.4880

Deuteranopia

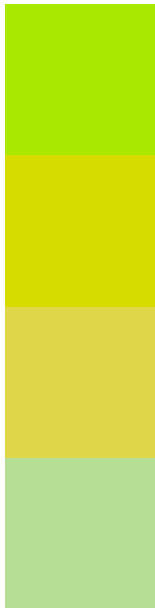
65.1868, 0.4211, 0.4182



Tritanopia

65.9421, 0.2839, 0.3095

Trichromacy



Original Color

66.1482, 0.3714, 0.5433

Protanomaly

64.9592, 0.4153, 0.5084

Deuteranomaly

64.4215, 0.4111, 0.4730

Tritanomaly

64.3258, 0.3321, 0.4209

Monochromacy



Original Color

66.1482, 0.3714, 0.5433

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

53.7471, 0.3543, 0.4377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1482, 0.3714, 0.5433 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, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 232, 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, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 232, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.1482, 0.3714, 0.5433 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, 232, 0) }
```

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

```
.border{ border-color:rgb(169, 232, 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, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 232,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1482, 0.3714, 0.5433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 232, 0) }
```

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

```
.background{ background-color: rgb(169,  
232, 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](#).

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