

Converting Colors

$Yxy(66.2689, 0.3720, 0.5428)$

Have a look what the booklet for
Yxy(66.2689, 0.3720, 0.5428)
contains.

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Color

Yxy(66.2593, 0.3721, 0.5427)

Conversions

Conversions Part 1

Format	Color
Hex	AAE800
RGB	170, 232, 0
RGB Percent	67%, 91%, 0%
CMY	0.3335, 0.0902, 0.9989
CMYK	0.27, 0.00, 1.00, 0.09
HSL	76°, 100%, 46%
HSV	76°, 100%, 91%
XYZ	45.4304, 66.2593, 10.4022
YIQ	187.0140, 37.5200, -85.2960

Conversions

Conversions Part 2

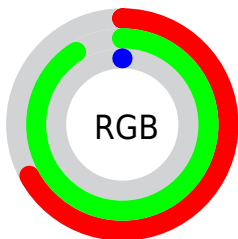
Format	Color
RYB	0, 232, 62
Decimal	11200512
CIELab	85.13, -44.96, 82.93
CIELCh	85, 94.335, 118.465
Yxy	66.2593, 0.3721, 0.5427
Android (android.graphics.Color)	4289390592 (0xFFAAE800)
YUV	187.0140, -92.1979, -14.9213
Hunter-Lab	81.3998, -42.8262, 49.4031

Details

The Yxy color **66.2593, 0.3721, 0.5427** 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 **6.8678, 0.1654, 0.0685**, and the grayscale version is **50.2340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0643, 0.3853, 0.4888**, and **34.4302, 0.3562, 0.5554** is the 20% darker color. If you saturate the color by 10%, you get **66.2530, 0.3721, 0.5428**, and if you desaturate by 10%, it is **67.0341, 0.3748, 0.5350**.

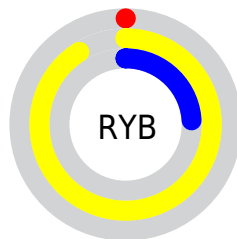
Distribution



Red (67%)

Green (91%)

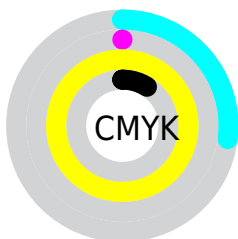
Blue (0%)



Red (0%)

Yellow (91%)

Blue (24%)

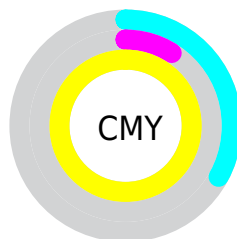


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (33%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2593, 0.3721, 0.5427 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 66.2593, 0.3721, 0.5427 by changing the saturation by 10% instead.


 66.2593, 0.3721,
0.5427


 66.2593, 0.3721,
0.5427


447.3037, 0.3555,
0.4426


 48.4829, 0.3719,
0.5635


 113.8584, 0.3694,
0.5091


 34.2095, 0.3694,
0.5874


 144.4500, 0.3674,
0.4956

 23.0546, 0.3629,
0.6145


 180.0820, 0.3653,
0.4838

 14.6338, 0.3516,
0.6484

 221.1389, 0.3631,
0.4735

 8.5628, 0.3240,
0.6760

 268.0052, 0.3611,
0.4644

 4.4571, 0.2833,
0.7167

 321.0651, 0.3591,

 1.9324, 0.2037,

0.4563

0.7963

380.7031, 0.3572,
0.4491

■ 0.5678, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.2593, 0.3721,
0.5427

■ 66.2593, 0.3721,
0.5427

■ 66.2530, 0.3721,
0.5428

■ 67.0341, 0.3748,
0.5350

■ 67.9147, 0.3754,
0.5230

■ 68.9282, 0.3734,
0.5062

■ 70.0886, 0.3689,
0.4851

71.4082, 0.3622,
0.4608

72.8976, 0.3537,
0.4344

74.5663, 0.3440,
0.4071

76.4230, 0.3337,
0.3799

78.4759, 0.3231,
0.3536

Harmonies

Analogous

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



66.2593, 0.4666, 0.4825



66.2593, 0.3721, 0.5427



66.2593, 0.2689, 0.5217

Triad

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



66.2593, 0.3721, 0.5427



66.2593, 0.1310, 0.1977



66.2593, 0.4446, 0.2599

Complementary

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



66.2593, 0.3721, 0.5427



6.8678, 0.1654, 0.0685

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.



66.2593, 0.3237, 0.2050



66.2593, 0.3721, 0.5427



66.2593, 0.1578, 0.1690

Square

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



66.2593, 0.3721, 0.5427



66.2593, 0.1374, 0.2724



66.2593, 0.2210, 0.1732



66.2593, 0.5259, 0.3281

Rectangle

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



66.2593, 0.3721, 0.5427



66.2593, 0.2078, 0.4470



66.2593, 0.2210, 0.1732



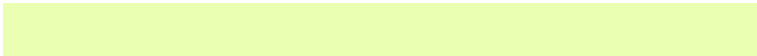
66.2593, 0.4054, 0.2396

Sweetspot

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



66.2622, 0.3721, 0.5427



92.3347, 0.3443, 0.4079



20.6122, 0.6061, 0.3568



19.5705, 0.3485, 0.4195



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.



66.2622, 0.3721, 0.5427



82.0503, 0.3718, 0.5430



58.5138, 0.3083, 0.5934



16.6130, 0.3226, 0.3525



36.8422, 0.3728, 0.5422



2.7674, 0.3799, 0.5366

Inverse Universe

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



6.8678, 0.1654, 0.0685



8.4588, 0.1648, 0.0682



15.2911, 0.2617, 0.1216



14.0728, 0.3022, 0.3050



3.8578, 0.1666, 0.0691



0.3296, 0.1816, 0.0774

Previews

White Background



This preview shows how the Yxy color 66.2593, 0.3721, 0.5427 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 66.2593, 0.3721, 0.5427 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 66.2593, 0.3721, 0.5427

Background



This preview shows how black text looks on a background with the Yxy color 66.2593, 0.3721, 0.5427.



This preview shows how white text looks on a background with the Yxy color 66.2593, 0.3721, 0.5427.

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

66.2593, 0.3721, 0.5427

Protanopia

65.4377, 0.4410, 0.4880

Deuteranopia

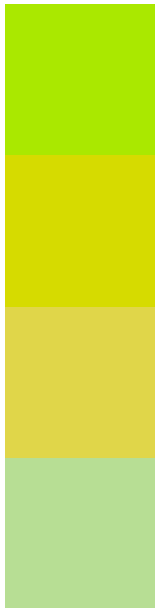
65.6835, 0.4198, 0.4183



Tritanopia

66.0713, 0.2846, 0.3095

Trichromacy



Original Color

66.2593, 0.3721, 0.5427

Protanomaly

64.9592, 0.4153, 0.5084

Deuteranomaly

64.4215, 0.4111, 0.4730

Tritanomaly

64.4480, 0.3328, 0.4206

Monochromacy



Original Color

66.2593, 0.3721, 0.5427

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

53.8675, 0.3552, 0.4374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2593, 0.3721, 0.5427 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(170, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 232, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.2593, 0.3721, 0.5427 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(170, 232, 0) }
```

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

```
.border{ border-color:rgb(170, 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(170, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 232,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2593, 0.3721, 0.5427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 232, 0) }
```

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

```
.background{ background-color: rgb(170,  
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](#).

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