

Converting Colors

$Y_{xy}(65.0097, 0.3627, 0.5373)$

Have a look what the booklet for
Yxy(65.0097, 0.3627, 0.5373)
contains.

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Color

Yxy(64.9732, 0.3626, 0.5376)

Conversions

Conversions Part 1

Format	Color
Hex	A2E726
RGB	162, 231, 38
RGB Percent	64%, 91%, 15%
CMY	0.3648, 0.0941, 0.8511
CMYK	0.30, 0.00, 0.84, 0.09
HSL	81°, 80%, 53%
HSV	81°, 84%, 91%
XYZ	43.8231, 64.9732, 12.0616
YIQ	188.3670, 20.8290, -74.6510

Conversions

Conversions Part 2

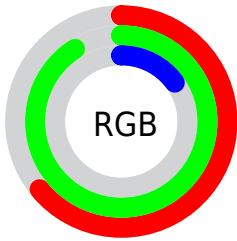
Format	Color
RYB	38, 231, 107
Decimal	10676006
CIELab	84.47, -46.79, 77.17
CIELCh	84, 90.247, 121.229
Yxy	64.9732, 0.3626, 0.5376
Android (android.graphics.Color)	4288866086 (0xFFA2E726)
YUV	188.3670, -74.1309, -23.1239
Hunter-Lab	80.6060, -44.0153, 47.5522

Details

The Yxy color **64.9732, 0.3626, 0.5376** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **10.2798, 0.1962, 0.0952**, and the grayscale version is **50.9283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8714, 0.3736, 0.4825**, and **33.5435, 0.3497, 0.5606** is the 20% darker color. If you saturate the color by 10%, you get **64.0337, 0.3598, 0.5493**, and if you desaturate by 10%, it is **66.0676, 0.3630, 0.5207**.

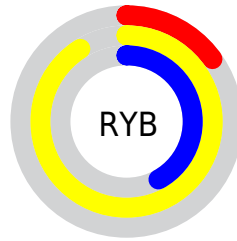
Distribution



Red (64%)

Green (91%)

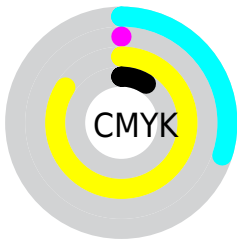
Blue (15%)



Red (15%)

Yellow (91%)

Blue (42%)

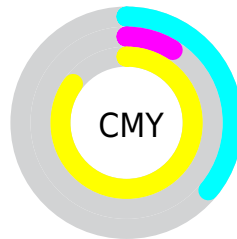


Cyan (30%)

Magenta (0%)

Yellow (84%)

Black (9%)



Cyan (36%)


Magenta (9%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9732, 0.3626, 0.5376 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 64.9732, 0.3626, 0.5376 by changing the saturation by 10% instead.


 64.9732, 0.3626,
0.5376


 64.9732, 0.3626,
0.5376


442.6957, 0.3489,
0.4377

 47.4393, 0.3622,
0.5592


 112.0113, 0.3605,
0.5035


 33.3831, 0.3598,
0.5846


 142.2844, 0.3588,
0.4899


 22.4201, 0.3534,
0.6141


 177.5727, 0.3571,
0.4782

 14.1659, 0.3443,
0.6557

 218.2605, 0.3553,
0.4680

 8.2361, 0.3149,
0.6851

 264.7323, 0.3536,
0.4590

 4.2464, 0.2714,
0.7286

 317.3725, 0.3519,

 1.8123, 0.1735,

0.4511

0.8265

376.5655, 0.3504,
0.4440

■ 0.4948, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9732, 0.3626,
0.5376

■ 64.9732, 0.3626,
0.5376

■ 64.0337, 0.3598,
0.5493


■ 66.0676, 0.3630,
0.5207

■ 63.4905, 0.3570,
0.5547


■ 67.3242, 0.3609,
0.4993

■ 68.7590, 0.3565,
0.4743


■ 70.3838, 0.3502,
0.4470

 72.2088, 0.3426,
0.4187

 74.2436, 0.3340,
0.3906

 76.4969, 0.3250,
0.3634

 78.9771, 0.3159,
0.3377

 81.6917, 0.3070,
0.3139

Harmonies

Analogous

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



64.9732, 0.4558, 0.4860



64.9732, 0.3626, 0.5376



64.9732, 0.2625, 0.5058

Triad

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



64.9732, 0.3626, 0.5376



64.9732, 0.1369, 0.1977



64.9732, 0.4496, 0.2681

Complementary

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



64.9732, 0.3626, 0.5376



10.2798, 0.1962, 0.0952

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.



64.9732, 0.3343, 0.2126



64.9732, 0.3626, 0.5376



64.9732, 0.1663, 0.1726

Square

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



64.9732, 0.3626, 0.5376



64.9732, 0.1404, 0.2661



64.9732, 0.2317, 0.1792



64.9732, 0.5220, 0.3358

Rectangle

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



64.9732, 0.3626, 0.5376



64.9732, 0.2046, 0.4301



64.9732, 0.2317, 0.1792



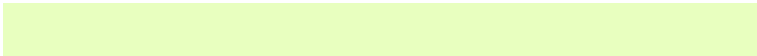
64.9732, 0.4130, 0.2477

Sweetspot

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



64.9761, 0.3626, 0.5376



92.4827, 0.3354, 0.3949



27.3423, 0.5423, 0.3860



19.5992, 0.3385, 0.4049



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.



64.9761, 0.3626, 0.5376



79.3932, 0.3567, 0.5550



58.4871, 0.3087, 0.5779



16.5460, 0.3213, 0.3526



35.6628, 0.3580, 0.5540



2.6871, 0.3670, 0.5468

Inverse Universe

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



10.2798, 0.1962, 0.0952



9.4534, 0.1761, 0.0744



19.7183, 0.2892, 0.1444



14.1366, 0.3036, 0.3051



4.3187, 0.1782, 0.0755



0.3699, 0.1944, 0.0845

Previews

White Background



This preview shows how the Yxy color 64.9732, 0.3626, 0.5376 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 64.9732, 0.3626, 0.5376 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 64.9732, 0.3626, 0.5376

Background



This preview shows how black text looks on a background with the Yxy color 64.9732, 0.3626, 0.5376.



This preview shows how white text looks on a background with the Yxy color 64.9732, 0.3626, 0.5376.

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

64.9732, 0.3626, 0.5376

Protanopia

64.0303, 0.4366, 0.4829

Deuteranopia

64.0739, 0.4275, 0.4232



Tritanopia

64.6174, 0.2806, 0.3092

Trichromacy



Original Color

64.9732, 0.3626, 0.5376

Protanomaly

63.8136, 0.4081, 0.5042

Deuteranomaly

63.0532, 0.4064, 0.4672

Tritanomaly

63.5162, 0.3196, 0.4045

Monochromacy



Original Color

64.9732, 0.3626, 0.5376

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

54.4629, 0.3437, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9732, 0.3626, 0.5376 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(162, 231, 38)` looks like.

```
.text, #text, p{  
    color:rgb(162, 231, 38)  
}
```

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(162, 231, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 231, 38) }
```

Border

The CSS property to change the border of an element to Yxy 64.9732, 0.3626, 0.5376 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(162, 231, 38) }
```

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

```
.border{ border-color:rgb(162, 231, 38) }
```

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

Here you see how a box with a 4 pixel rgb(162, 231, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 231, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 231, 38);  
box-shadow:4px 4px 4px 4px rgb(162, 231,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9732, 0.3626, 0.5376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 231, 38) }
```

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

```
.background{ background-color: rgb(162,  
231, 38) }
```

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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