

Converting Colors

Yxy(65.2032, 0.3644, 0.5484)

Have a look what the booklet for
Yxy(65.2032, 0.3644, 0.5484)
contains.

Yxy(65.1912, 0.3647, 0.5482)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.1912, 0.3647, 0.5482)

Conversions

Conversions Part 1

Format	Color
Hex	A0E802
RGB	160, 232, 2
RGB Percent	63%, 91%, 1%
CMY	0.3724, 0.0902, 0.9916
CMYK	0.31, 0.00, 0.99, 0.09
HSL	79°, 98%, 46%
HSV	79°, 99%, 91%
XYZ	43.3696, 65.1912, 10.3578
YIQ	184.2520, 30.9180, -86.7940

Conversions

Conversions Part 2

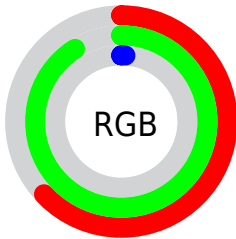
Format	Color
R _Y B	2, 232, 74
Decimal	10545154
CIE Lab	84.58, -48.61, 82.12
CIE LCh	85, 95.428, 120.624
Yxy	65.1912, 0.3647, 0.5482
Android (android.graphics.Color)	4288735234 (0xFFA0E802)
YUV	184.2520, -89.8502, -21.2690
Hunter-Lab	80.7411, -45.4166, 48.9128

Details

The Yxy color **65.1912, 0.3647, 0.5482** 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 **7.3327, 0.1715, 0.0722**, and the grayscale version is **48.5872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4738, 0.3779, 0.4925**, and **33.8174, 0.3474, 0.5623** is the 20% darker color. If you saturate the color by 10%, you get **65.1206, 0.3644, 0.5489**, and if you desaturate by 10%, it is **66.0319, 0.3680, 0.5396**.

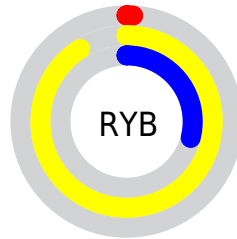
Distribution



Red (63%)

Green (91%)

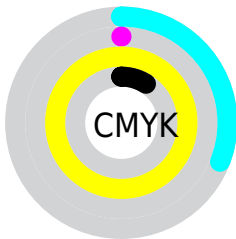
Blue (1%)



Red (1%)

Yellow (91%)

Blue (29%)

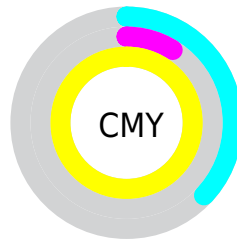


Cyan (31%)

Magenta (0%)

Yellow (99%)

Black (9%)



Cyan (37%)


Magenta (9%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1912, 0.3647, 0.5482 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 65.1912, 0.3647, 0.5482 by changing the saturation by 10% instead.


 65.1912, 0.3647,
0.5482


 65.1912, 0.3647,
0.5482


443.4787, 0.3516,
0.4442

 47.6161, 0.3637,
0.5701


 112.3247, 0.3632,
0.5131

 33.5230, 0.3601,
0.5956

 142.6519, 0.3617,
0.4990


 22.5274, 0.3521,
0.6246


 177.9987, 0.3600,
0.4868

 14.2449, 0.3388,
0.6612

 218.7493, 0.3583,
0.4761

 8.2912, 0.3084,
0.6916

 265.2882, 0.3565,
0.4667

 4.2819, 0.2636,
0.7364

 317.9998, 0.3548,

 1.8324, 0.1595,

0.4583

0.8405

377.2685, 0.3532,
0.4509

■ 0.5073, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1912, 0.3647,
0.5482

■ 65.1912, 0.3647,
0.5482

■ 65.1206, 0.3644,
0.5489

■ 66.0319, 0.3680,
0.5396

■ 66.9935, 0.3691,
0.5263

■ 68.1006, 0.3677,
0.5082

■ 69.3676, 0.3637,
0.4859

■ 70.8067, 0.3577,
0.4605

■ 72.4287, 0.3499,
0.4333

■ 74.2433, 0.3410,
0.4055

■ 76.2595, 0.3314,
0.3780

■ 78.4855, 0.3216,
0.3516

Harmonies

Analogous

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



65.1912, 0.4620, 0.4895



65.1912, 0.3647, 0.5482



65.1912, 0.2606, 0.5194

Triad

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



65.1912, 0.3647, 0.5482



65.1912, 0.1297, 0.1923



65.1912, 0.4548, 0.2635

Complementary

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



65.1912, 0.3647, 0.5482



7.3327, 0.1715, 0.0722

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.



65.1912, 0.3325, 0.2067



65.1912, 0.3647, 0.5482



65.1912, 0.1592, 0.1663

Square

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



65.1912, 0.3647, 0.5482



65.1912, 0.1335, 0.2638



65.1912, 0.2258, 0.1727



65.1912, 0.5322, 0.3328

Rectangle

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



65.1912, 0.3647, 0.5482



65.1912, 0.2002, 0.4391



65.1912, 0.2258, 0.1727



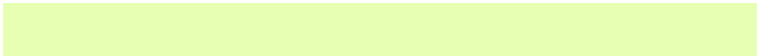
65.1912, 0.4157, 0.2426

Sweetspot

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



65.1941, 0.3647, 0.5482



91.7513, 0.3420, 0.4085



21.6791, 0.5965, 0.3637



19.4306, 0.3458, 0.4203



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.



65.1941, 0.3647, 0.5482



80.6523, 0.3641, 0.5491



58.3486, 0.3065, 0.5943



16.5790, 0.3219, 0.3526



36.2225, 0.3652, 0.5482



2.7255, 0.3733, 0.5418

Inverse Universe

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



7.3327, 0.1715, 0.0722



8.9186, 0.1701, 0.0711



16.3151, 0.2705, 0.1267



14.1050, 0.3029, 0.3050



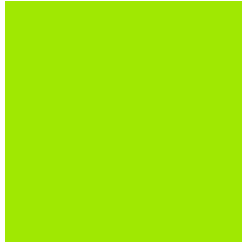
4.0720, 0.1721, 0.0721



0.3489, 0.1878, 0.0808

Previews

White Background



This preview shows how the Yxy color 65.1912, 0.3647, 0.5482 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 65.1912, 0.3647, 0.5482 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 65.1912, 0.3647, 0.5482

Background



This preview shows how black text looks on a background with the Yxy color 65.1912, 0.3647, 0.5482.



This preview shows how white text looks on a background with the Yxy color 65.1912, 0.3647, 0.5482.

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

65.1912, 0.3647, 0.5482

Protanopia

64.5931, 0.4403, 0.4886

Deuteranopia

64.5626, 0.4263, 0.4233



Tritanopia

65.0622, 0.2794, 0.3092

Trichromacy



Original Color

65.1912, 0.3647, 0.5482

Protanomaly

64.2205, 0.4112, 0.5115

Deuteranomaly

63.2338, 0.4102, 0.4769

Tritanomaly

63.5264, 0.3263, 0.4211

Monochromacy



Original Color

65.1912, 0.3647, 0.5482

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

52.1953, 0.3514, 0.4385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1912, 0.3647, 0.5482 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(160, 232, 2)` looks like.

```
.text, #text, p{  
    color:rgb(160, 232, 2)  
}
```

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(160, 232, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 232, 2) }
```

Border

The CSS property to change the border of an element to Yxy 65.1912, 0.3647, 0.5482 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(160, 232, 2) }
```

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

```
.border{ border-color:rgb(160, 232, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 232, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 232, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 232, 2);  
box-shadow:4px 4px 4px 4px rgb(160, 232,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1912, 0.3647, 0.5482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 232, 2) }
```

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

```
.background{ background-color: rgb(160,  
232, 2) }
```

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