

Converting Colors

$Y_{xy}(63.3000, 0.3035, 0.5032)$

Have a look what the booklet for
Yxy(63.3000, 0.3035, 0.5032)
contains.

Yxy(63.5635, 0.3036, 0.5030)	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(63.5635, 0.3036, 0.5030)

Conversions

Conversions Part 1

Format	Color
Hex	6AEB6C
RGB	106, 235, 108
RGB Percent	42%, 92%, 42%
CMY	0.5841, 0.0784, 0.5764
CMYK	0.55, 0.00, 0.54, 0.08
HSL	121°, 76%, 67%
HSV	121°, 55%, 92%
XYZ	38.3656, 63.5635, 24.4397
YIQ	181.9510, -36.1170, -66.8450

Conversions

Conversions Part 2

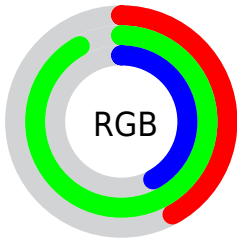
Format	Color
RYB	106, 233, 235
Decimal	7007084
CIELab	83.74, -60.39, 50.42
CIElCh	84, 78.665, 140.142
Yxy	63.5635, 0.3036, 0.5030
Android (android.graphics.Color)	4285197164 (0xFF6AEB6C)
YUV	181.9510, -36.4578, -66.6090
Hunter-Lab	79.7267, -53.6252, 37.6337

Details

The Yxy color **63.5635, 0.3036, 0.5030** is a dark color, and the websafe version is hex **66FF66**. A complement of this color would be **33.8688, 0.3207, 0.2006**, and the grayscale version is **46.9793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2356, 0.3098, 0.4392**, and **32.4567, 0.2942, 0.5530** is the 20% darker color. If you saturate the color by 10%, you get **61.8880, 0.3021, 0.5361**, and if you desaturate by 10%, it is **65.7695, 0.3053, 0.4675**.

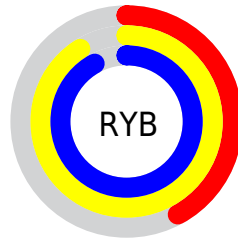
Distribution



Red (42%)

Green (92%)

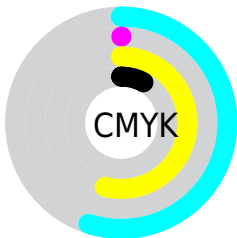
Blue (42%)



Red (42%)

Yellow (91%)

Blue (92%)

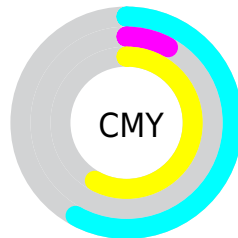


Cyan (55%)

Magenta (0%)

Yellow (54%)

Black (8%)



Cyan (58%)


Magenta (8%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5635, 0.3036, 0.5030 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 63.5635, 0.3036, 0.5030 by changing the saturation by 10% instead.


 63.5635, 0.3036,
0.5030


 63.5635, 0.3036,
0.5030

437.6117, 0.3128,
0.4142


 46.2972, 0.2999,
0.5250

 109.9821, 0.3080,
0.4707


 32.4804, 0.2943,
0.5528


 139.9031, 0.3094,
0.4586

 21.7287, 0.2856,
0.5888


 174.8113, 0.3104,
0.4483

 13.6577, 0.2713,
0.6365

 215.0909, 0.3111,
0.4395

 7.8830, 0.2479,
0.7037

261.1263, 0.3117,
0.4319

 4.0202, 0.2051,
0.7949

313.3020, 0.3121,

 1.6848, 0.0000,

0.4253

1.0000

372.0023, 0.3125,
0.4194

0.4138, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.5635, 0.3036,
0.5030

63.5635, 0.3036,
0.5030

61.8880, 0.3021,
0.5361

65.7695, 0.3053,
0.4675

60.6915, 0.3009,
0.5641


68.5368, 0.3071,
0.4321

59.9259, 0.3002,
0.5844


71.9033, 0.3089,
0.3986

59.5292, 0.2999,
0.5961

75.9010, 0.3105,
0.3681

 59.4225, 0.2998,
0.5993

 80.5602, 0.3120,
0.3409

 85.9086, 0.3134,
0.3173

 87.8947, 0.3136,
0.3097

Harmonies

Analogous

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



63.5635, 0.3941, 0.5040



63.5635, 0.3036, 0.5030



63.5635, 0.2203, 0.4209

Triad

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



63.5635, 0.3036, 0.5030



63.5635, 0.1665, 0.1927



63.5635, 0.4809, 0.3144

Complementary

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



63.5635, 0.3036, 0.5030



33.8688, 0.3207, 0.2006

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.



63.5635, 0.3979, 0.2546



63.5635, 0.3036, 0.5030



63.5635, 0.2145, 0.1879

Square

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



63.5635, 0.3036, 0.5030



63.5635, 0.1507, 0.2304



63.5635, 0.2959, 0.2099



63.5635, 0.5054, 0.3812

Rectangle

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



63.5635, 0.3036, 0.5030



63.5635, 0.1808, 0.3451



63.5635, 0.2959, 0.2099



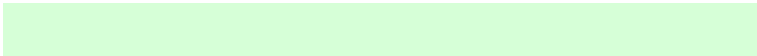
63.5635, 0.4583, 0.2934

Sweetspot

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



63.5662, 0.3036, 0.5030



90.7433, 0.3103, 0.3716



78.1183, 0.3918, 0.4598



19.2003, 0.3100, 0.3777



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.



63.5662, 0.3036, 0.5030



74.2574, 0.3019, 0.5405



65.4054, 0.2736, 0.4165



16.8659, 0.3114, 0.3530



33.0741, 0.2997, 0.5990



2.5984, 0.2990, 0.5963

Inverse Universe

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



33.8688, 0.3207, 0.2006



35.0845, 0.3221, 0.1815



30.9058, 0.3912, 0.2588



15.3096, 0.3140, 0.3061



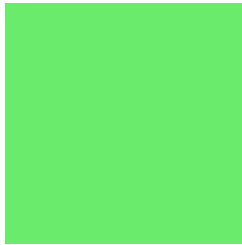
13.0563, 0.3247, 0.1563



1.0265, 0.3242, 0.1559

Previews

White Background



This preview shows how the Yxy color 63.5635, 0.3036, 0.5030 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 63.5635, 0.3036, 0.5030 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

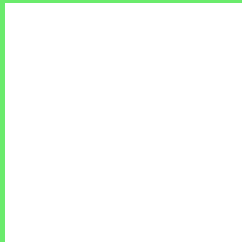
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.5635, 0.3036, 0.5030

Background



This preview shows how black text looks on a background with the Yxy color 63.5635, 0.3036, 0.5030.



This preview shows how white text looks on a background with the Yxy color 63.5635, 0.3036, 0.5030.

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

63.5635, 0.3036, 0.5030

Protanopia

62.1845, 0.4066, 0.4446

Deuteranopia

62.3916, 0.4189, 0.4109



Tritanopia

63.1791, 0.2506, 0.3068

Trichromacy



Original Color

63.5635, 0.3036, 0.5030



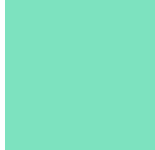
Protanomaly

60.7754, 0.3625, 0.4690



Deuteranomaly

59.9456, 0.3704, 0.4451



Tritanomaly

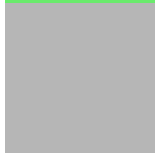
62.5143, 0.2705, 0.3753

Monochromacy



Original Color

63.5635, 0.3036, 0.5030



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.0099, 0.3090, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5635, 0.3036, 0.5030 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(106, 235, 108)` looks like.

```
.text, #text, p{  
    color:rgb(106, 235, 108)  
}
```

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(106, 235, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 235, 108) }
```

Border

The CSS property to change the border of an element to Yxy 63.5635, 0.3036, 0.5030 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(106, 235, 108) }
```

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

```
.border{ border-color:rgb(106, 235, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 235, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 235, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 235, 108);  
box-shadow:4px 4px 4px 4px rgb(106, 235,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5635, 0.3036, 0.5030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 235, 108) }
```

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

```
.background{ background-color: rgb(106,  
235, 108) }
```

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