

Converting Colors

Yxy(35.7836, 0.3049, 0.4656)

Have a look what the booklet for
Yxy(35.7836, 0.3049, 0.4656)
contains.

Yxy(35.7570, 0.3049, 0.4648)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.7570, 0.3049, 0.4648)

Conversions

Conversions Part 1

Format	Color
Hex	62B364
RGB	98, 179, 100
RGB Percent	38%, 70%, 39%
CMY	0.6157, 0.2980, 0.6079
CMYK	0.45, 0.00, 0.44, 0.30
HSL	121°, 35%, 54%
HSV	121°, 45%, 70%
XYZ	23.4559, 35.7570, 17.7169
YIQ	145.7750, -22.9170, -41.7410

Conversions

Conversions Part 2

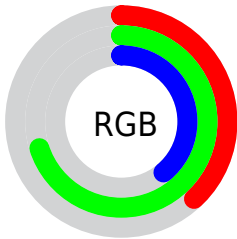
Format	Color
RYB	98, 177, 179
Decimal	6468452
CIELab	66.33, -41.26, 32.77
CIELCh	66, 52.692, 141.547
Yxy	35.7570, 0.3049, 0.4648
Android (android.graphics.Color)	4284658532 (0xFF62B364)
YUV	145.7750, -22.5671, -41.8987
Hunter-Lab	59.7972, -34.6270, 24.2913

Details

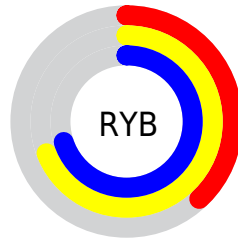
The Yxy color **35.7570, 0.3049, 0.4648** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **21.4933, 0.3201, 0.2227**, and the grayscale version is **28.7480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4560, 0.3083, 0.4351**, and **15.3985, 0.2970, 0.5146** is the 20% darker color. If you saturate the color by 10%, you get **34.5691, 0.3032, 0.4995**, and if you desaturate by 10%, it is **37.2430, 0.3067, 0.4303**.

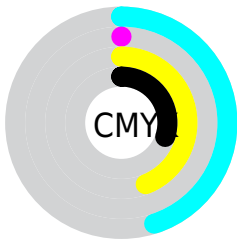
Distribution



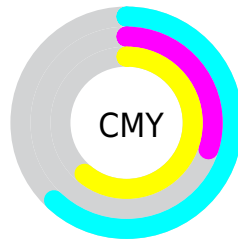
- Red (38%)
- Green (70%)
- Blue (39%)



- Red (38%)
- Yellow (69%)
- Blue (70%)



- Cyan (45%)
- Magenta (0%)
- Yellow (44%)
- Black (30%)





- Cyan (62%)
- Magenta (30%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7570, 0.3049, 0.4648 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 35.7570, 0.3049, 0.4648 by changing the saturation by 10% instead.


 35.7570, 0.3049,
0.4648


 35.7570, 0.3049,
0.4648


327.8972, 0.3119,
0.3895

 24.2466, 0.3018,
0.4861


 68.6568, 0.3083,
0.4356


 15.5166, 0.2968,
0.5149


 90.8150, 0.3093,
0.4252

 9.1828, 0.2881,
0.5556


 117.2913, 0.3101,
0.4166

 4.8606, 0.2715,
0.6164

 148.4700, 0.3106,
0.4094

 2.1657, 0.2473,
0.7527

184.7356, 0.3111,
0.4033

 0.7012, 0.0000,
1.0000


226.4723, 0.3114,


 0.0000, 0.0000,


0.3980


0.0000


274.0648, 0.3116,
0.3935

 35.7570, 0.3049,
0.4648


 35.7570, 0.3049,
0.4648


 34.5691, 0.3032,
0.4995


 37.2430, 0.3067,
0.4303


 33.6552, 0.3017,
0.5323


 39.0405, 0.3086,
0.3978


 32.9945, 0.3006,
0.5604


 41.1674, 0.3103,
0.3680

 32.5617, 0.2999,
0.5815


 43.6391, 0.3119,
0.3416


 32.3255, 0.2997,
0.5945

 46.4700, 0.3134,
0.3184

 32.2521, 0.2996,
0.5984

 49.6736, 0.3147,
0.2983

 53.2628, 0.3159,
0.2811

 57.2496, 0.3169,
0.2662

 60.7225, 0.3162,
0.2546

Harmonies

Analogous

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



35.7570, 0.3809, 0.4742



35.7570, 0.3049, 0.4648



35.7570, 0.2351, 0.3984

Triad

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



35.7570, 0.3049, 0.4648



35.7570, 0.1904, 0.2140



35.7570, 0.4516, 0.3223

Complementary

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



35.7570, 0.3049, 0.4648



21.4933, 0.3201, 0.2227

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.



35.7570, 0.3864, 0.2695



35.7570, 0.3049, 0.4648



35.7570, 0.2339, 0.2098

Square

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



35.7570, 0.3049, 0.4648



35.7570, 0.1754, 0.2468



35.7570, 0.3038, 0.2298



35.7570, 0.4715, 0.3806

Rectangle

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



35.7570, 0.3049, 0.4648



35.7570, 0.2015, 0.3398



35.7570, 0.3038, 0.2298



35.7570, 0.4339, 0.3037

Sweetspot

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



35.7585, 0.3049, 0.4648



74.1477, 0.3105, 0.3652



42.5485, 0.3774, 0.4387



16.2327, 0.3101, 0.3712



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.7585, 0.3049, 0.4648



61.9731, 0.3032, 0.4984



36.7278, 0.2780, 0.3946



9.4934, 0.3113, 0.3519



22.7907, 0.2995, 0.5981



0.7182, 0.2972, 0.5899

Inverse Universe

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



21.4933, 0.3201, 0.2227



33.2817, 0.3217, 0.2033



20.1288, 0.3726, 0.2728



8.6431, 0.3141, 0.3071



8.9500, 0.3270, 0.1575



0.2827, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 35.7570, 0.3049, 0.4648 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 35.7570, 0.3049, 0.4648 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 35.7570, 0.3049, 0.4648

Background



This preview shows how black text looks on a background with the Yxy color 35.7570, 0.3049, 0.4648.



This preview shows how white text looks on a background with the Yxy color 35.7570, 0.3049, 0.4648.

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

35.7570, 0.3049, 0.4648

Protanopia

35.1620, 0.3908, 0.4234

Deuteranopia

35.0295, 0.4002, 0.3924



Tritanopia

35.4397, 0.2585, 0.3073

Trichromacy



Original Color

35.7570, 0.3049, 0.4648



Protanomaly

34.7779, 0.3553, 0.4390



Deuteranomaly

34.1092, 0.3611, 0.4172



Tritanomaly

35.4383, 0.2755, 0.3616

Monochromacy



Original Color

35.7570, 0.3049, 0.4648



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

30.7058, 0.3104, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7570, 0.3049, 0.4648 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(98, 179, 100)` looks like.

```
.text, #text, p{  
    color:rgb(98, 179, 100)  
}
```

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(98, 179, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 179, 100) }
```

Border

The CSS property to change the border of an element to Yxy 35.7570, 0.3049, 0.4648 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(98, 179, 100) }
```

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

```
.border{ border-color:rgb(98, 179, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 179, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 179, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 179, 100);  
box-shadow:4px 4px 4px 4px rgb(98, 179,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7570, 0.3049, 0.4648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 179, 100) }
```

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

```
.background{ background-color: rgb(98, 179,  
100) }
```

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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