

Converting Colors

$Yxy(51.1684, 0.3368, 0.4480)$

Have a look what the booklet for
Yxy(51.1684, 0.3368, 0.4480)
contains.

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Color

Yxy(51.1643, 0.3365, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	9DCB75
RGB	157, 203, 117
RGB Percent	62%, 80%, 46%
CMY	0.3845, 0.2039, 0.5412
CMYK	0.23, 0.00, 0.42, 0.20
HSL	92°, 45%, 63%
HSV	92°, 42%, 80%
XYZ	38.4647, 51.1643, 24.6791
YIQ	179.4420, 0.1900, -36.4980

Conversions

Conversions Part 2

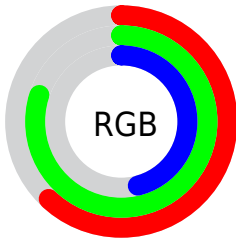
Format	Color
RYB	117, 203, 163
Decimal	10341237
CIELab	76.78, -30.07, 38.02
CIELCh	77, 48.474, 128.339
Yxy	51.1643, 0.3365, 0.4476
Android (android.graphics.Color)	4288531317 (0xFF9DCB75)
YUV	179.4420, -30.7839, -19.6816
Hunter-Lab	71.5292, -29.1882, 29.6141

Details

The Yxy color **51.1643, 0.3365, 0.4476** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.8302, 0.2765, 0.2128**, and the grayscale version is **45.4916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5684, 0.3348, 0.4209**, and **24.8432, 0.3392, 0.4824** is the 20% darker color. If you saturate the color by 10%, you get **49.6946, 0.3400, 0.4777**, and if you desaturate by 10%, it is **52.8393, 0.3318, 0.4173**.

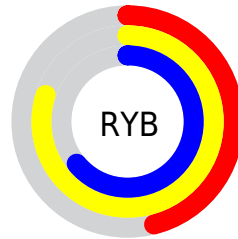
Distribution



Red (62%)

Green (80%)

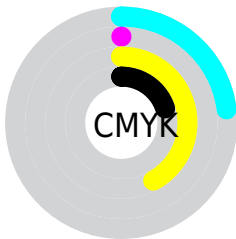
Blue (46%)



Red (46%)

Yellow (80%)

Blue (64%)

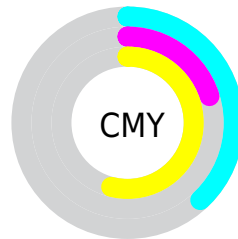


Cyan (23%)

Magenta (0%)

Yellow (42%)

Black (20%)



Cyan (38%)


Magenta (20%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1643, 0.3365, 0.4476 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 51.1643, 0.3365, 0.4476 by changing the saturation by 10% instead.

 51.1643, 0.3365,
0.4476


 51.1643, 0.3365,
0.4476


391.2018, 0.3270,
0.3867


 36.3394, 0.3379,
0.4630


 91.8976, 0.3337,
0.4252

 24.6964, 0.3392,
0.4828


 118.5748, 0.3325,
0.4169

 15.8510, 0.3397,
0.5090


 149.9714, 0.3313,
0.4099

 9.4188, 0.3383,
0.5446

186.4721, 0.3303,
0.4039

 5.0153, 0.3335,
0.5985

228.4610, 0.3294,
0.3987

 2.2563, 0.3168,
0.6832

276.3227, 0.3285,

 0.7504, 0.0000,

0.3942

1.0000

330.4415, 0.3277,
0.3902

■ 0.0000, 0.0000,
0.0000

■ 51.1643, 0.3365,
0.4476

■ 51.1643, 0.3365,
0.4476

■ 49.6946, 0.3400,
0.4777

■ 52.8393, 0.3318,
0.4173

■ 48.4143, 0.3419,
0.5062

■ 54.7216, 0.3263,
0.3880

■ 47.3153, 0.3418,
0.5314


■ 56.8213, 0.3203,
0.3603

■ 46.3863, 0.3397,
0.5520

■ 59.1461, 0.3142,
0.3347

■ 45.6140, 0.3355,
0.5669


■ 61.7030, 0.3081,
0.3115

 45.1137, 0.3315,
0.5750

 64.4990, 0.3022,
0.2905

 67.2724, 0.2993,
0.2757

 69.1597, 0.3071,
0.2769

 71.1617, 0.3150,
0.2782

Harmonies

Analogous

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



51.1643, 0.3961, 0.4396



51.1643, 0.3365, 0.4476



51.1643, 0.2736, 0.4121

Triad

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



51.1643, 0.3365, 0.4476



51.1643, 0.2011, 0.2427



51.1643, 0.4062, 0.3043

Complementary

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



51.1643, 0.3365, 0.4476



24.8302, 0.2765, 0.2128

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.



51.1643, 0.3440, 0.2628



51.1643, 0.3365, 0.4476



51.1643, 0.2280, 0.2277

Square

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



51.1643, 0.3365, 0.4476



51.1643, 0.1995, 0.2833



51.1643, 0.2783, 0.2355



51.1643, 0.4409, 0.3532

Rectangle

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



51.1643, 0.3365, 0.4476



51.1643, 0.2385, 0.3696



51.1643, 0.2783, 0.2355



51.1643, 0.3874, 0.2892

Sweetspot

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



51.1665, 0.3365, 0.4476



94.8329, 0.3208, 0.3624



40.1338, 0.3955, 0.3879



20.1244, 0.3221, 0.3685



0.0000, 0.0000, 0.0000



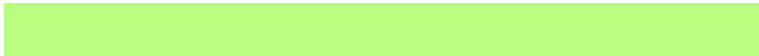
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1665, 0.3365, 0.4476



83.3574, 0.3398, 0.4757



47.8540, 0.3049, 0.4549



12.7880, 0.3185, 0.3525



28.7587, 0.3325, 0.5742



1.5286, 0.3479, 0.5620

Inverse Universe

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



24.8302, 0.2765, 0.2128



33.4233, 0.2658, 0.1859



29.5996, 0.3205, 0.2289



11.1348, 0.3065, 0.3056



4.8564, 0.2102, 0.0932



0.2954, 0.2309, 0.1046

Previews

White Background



This preview shows how the Yxy color 51.1643, 0.3365, 0.4476 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 51.1643, 0.3365, 0.4476 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 51.1643, 0.3365, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 51.1643, 0.3365, 0.4476.



This preview shows how white text looks on a background with the Yxy color 51.1643, 0.3365, 0.4476.

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

51.1643, 0.3365, 0.4476

Protanopia

50.8304, 0.3893, 0.4223

Deuteranopia

50.7838, 0.4041, 0.3968



Tritanopia

50.7994, 0.2844, 0.3086

Trichromacy



Original Color

51.1643, 0.3365, 0.4476



Protanomaly

50.6173, 0.3691, 0.4314



Deuteranomaly

50.3078, 0.3787, 0.4147



Tritanomaly

50.5743, 0.3036, 0.3571

Monochromacy



Original Color

51.1643, 0.3365, 0.4476



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.0247, 0.3232, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1643, 0.3365, 0.4476 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(157, 203, 117)` looks like.

```
.text, #text, p{  
    color:rgb(157, 203, 117)  
}
```

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(157, 203, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 203, 117) }
```

Border

The CSS property to change the border of an element to Yxy 51.1643, 0.3365, 0.4476 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(157, 203, 117) }
```

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

```
.border{ border-color:rgb(157, 203, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 203, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 203, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 203, 117);  
box-shadow:4px 4px 4px 4px rgb(157, 203,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1643, 0.3365, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 203, 117) }
```

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

```
.background{ background-color: rgb(157,  
203, 117) }
```

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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