

Converting Colors

$Yxy(47.6028, 0.3540, 0.4510)$

Have a look what the booklet for
Yxy(47.6028, 0.3540, 0.4510)
contains.

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Color

Yxy(47.6028, 0.3540, 0.4510)

Conversions

Conversions Part 1

Format	Color
Hex	A5C269
RGB	165, 194, 105
RGB Percent	65%, 76%, 41%
CMY	0.3528, 0.2392, 0.5882
CMYK	0.15, 0.00, 0.46, 0.24
HSL	80°, 42%, 59%
HSV	80°, 46%, 76%
XYZ	37.3645, 47.6028, 20.5821
YIQ	175.1830, 11.2850, -33.8270

Conversions

Conversions Part 2

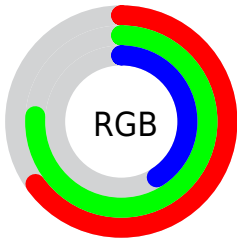
Format	Color
RYB	105, 194, 134
Decimal	10863209
CIELab	74.57, -24.13, 41.38
CIELCh	75, 47.899, 120.244
Yxy	47.6028, 0.3540, 0.4510
Android (android.graphics.Color)	4289053289 (0xFFA5C269)
YUV	175.1830, -34.6002, -8.9305
Hunter-Lab	68.9948, -24.0732, 30.6093

Details

The Yxy color **47.6028, 0.3540, 0.4510** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **19.0619, 0.2535, 0.1963**, and the grayscale version is **43.1520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8351, 0.3477, 0.4284**, and **22.4115, 0.3606, 0.4862** is the 20% darker color. If you saturate the color by 10%, you get **46.5900, 0.3605, 0.4771**, and if you desaturate by 10%, it is **48.7442, 0.3461, 0.4236**.

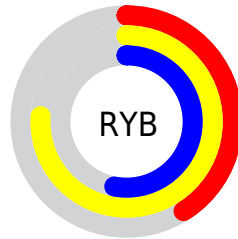
Distribution



Red (65%)

Green (76%)

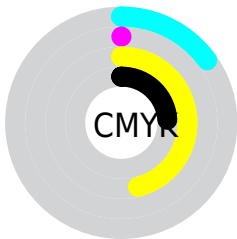
Blue (41%)



Red (41%)

Yellow (76%)

Blue (53%)

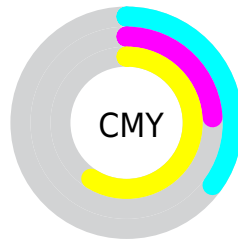


Cyan (15%)

Magenta (0%)

Yellow (46%)

Black (24%)



Cyan (35%)

Magenta (24%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6028, 0.3540, 0.4510 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 47.6028, 0.3540, 0.4510 by changing the saturation by 10% instead.


 47.6028, 0.3540,
0.4510


 47.6028, 0.3540,
0.4510


377.2156, 0.3359,
0.3884


 33.5124, 0.3574,
0.4667


 86.6127, 0.3482,
0.4281

 22.5193, 0.3610,
0.4867


 112.3011, 0.3458,
0.4195

 14.2390, 0.3644,
0.5128


 142.6242, 0.3436,
0.4123

 8.2871, 0.3660,
0.5475

 177.9665, 0.3417,
0.4061

 4.2792, 0.3747,
0.6154

218.7124, 0.3400,
0.4008

 1.8309, 0.3413,
0.6587

265.2463, 0.3385,

 0.5063, 0.0000,

0.3961

1.0000

317.9526, 0.3371,
0.3920

0.0000, 0.0000,
0.0000

47.6028, 0.3540,
0.4510

47.6028, 0.3540,
0.4510

46.5900, 0.3605,
0.4771

48.7442, 0.3461,
0.4236

45.6928, 0.3650,
0.5007

50.0140, 0.3372,
0.3959

44.9057, 0.3672,
0.5207


51.4201, 0.3278,
0.3690

44.2199, 0.3670,
0.5360

52.9676, 0.3183,
0.3433

43.6248, 0.3643,
0.5465


54.6616, 0.3089,
0.3193

 43.3971, 0.3629,
0.5501

 56.5068, 0.2998,
0.2973

 58.5077, 0.2913,
0.2771

 60.3294, 0.2866,
0.2638

 61.3066, 0.2911,
0.2647

Harmonies

Analogous

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



47.6028, 0.4105, 0.4326



47.6028, 0.3540, 0.4510



47.6028, 0.2896, 0.4271

Triad

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



47.6028, 0.3540, 0.4510



47.6028, 0.1969, 0.2501



47.6028, 0.3922, 0.2916

Complementary

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



47.6028, 0.3540, 0.4510



19.0619, 0.2535, 0.1963

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.



47.6028, 0.3257, 0.2530



47.6028, 0.3540, 0.4510



47.6028, 0.2173, 0.2282

Square

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



47.6028, 0.3540, 0.4510



47.6028, 0.2025, 0.2981



47.6028, 0.2621, 0.2303



47.6028, 0.4368, 0.3397

Rectangle

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



47.6028, 0.3540, 0.4510



47.6028, 0.2509, 0.3886



47.6028, 0.2621, 0.2303



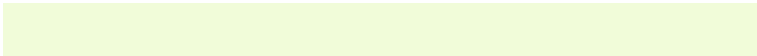
47.6028, 0.3712, 0.2773

Sweetspot

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



47.6049, 0.3540, 0.4510



93.6113, 0.3262, 0.3646



29.3130, 0.4162, 0.3674



20.3704, 0.3283, 0.3704



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.



47.6049, 0.3540, 0.4510



84.4148, 0.3605, 0.4771



43.6890, 0.3178, 0.4663



11.5888, 0.3216, 0.3521



28.5797, 0.3636, 0.5495



1.2708, 0.3764, 0.5393

Inverse Universe

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



19.0619, 0.2535, 0.1963



26.3501, 0.2370, 0.1649



23.4245, 0.2998, 0.2123



9.9035, 0.3033, 0.3056



3.2981, 0.1744, 0.0734



0.1803, 0.2004, 0.0878

Previews

White Background



This preview shows how the Yxy color 47.6028, 0.3540, 0.4510 looks on a white background.

Color Contrast Check

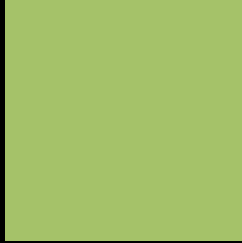
Large Text (above 18pt) WCAG AA × Fail

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 47.6028, 0.3540, 0.4510 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 47.6028, 0.3540, 0.4510

Background



This preview shows how black text looks on a background with the Yxy color 47.6028, 0.3540, 0.4510.



This preview shows how white text looks on a background with the Yxy color 47.6028, 0.3540, 0.4510.

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

47.6028, 0.3540, 0.4510

Protanopia

47.2241, 0.3952, 0.4303

Deuteranopia

47.3153, 0.4128, 0.4047



Tritanopia

47.2913, 0.2963, 0.3097

Trichromacy



Original Color

47.6028, 0.3540, 0.4510

Protanomaly

47.1913, 0.3801, 0.4385

Deuteranomaly

46.9561, 0.3906, 0.4214

Tritanomaly

47.1052, 0.3188, 0.3601

Monochromacy



Original Color

47.6028, 0.3540, 0.4510

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.3158, 0.3288, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6028, 0.3540, 0.4510 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(165, 194, 105)` looks like.

```
.text, #text, p{  
    color:rgb(165, 194, 105)  
}
```

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(165, 194, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 194, 105) }
```

Border

The CSS property to change the border of an element to Yxy 47.6028, 0.3540, 0.4510 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(165, 194, 105) }
```

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

```
.border{ border-color:rgb(165, 194, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 194, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 194, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 194, 105);  
box-shadow:4px 4px 4px 4px rgb(165, 194,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6028, 0.3540, 0.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 194, 105) }
```

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

```
.background{ background-color: rgb(165,  
194, 105) }
```

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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