

Converting Colors

$Y_{xy}(49.3089, 0.3113, 0.5745)$

Have a look what the booklet for
Yxy(49.3089, 0.3113, 0.5745)
contains.

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Color

Yxy(49.4857, 0.3114, 0.5747)

Conversions

Conversions Part 1

Format	Color
Hex	45D624
RGB	69, 214, 36
RGB Percent	27%, 84%, 14%
CMY	0.7298, 0.1607, 0.8588
CMYK	0.68, 0.00, 0.83, 0.16
HSL	109°, 71%, 49%
HSV	109°, 83%, 84%
XYZ	26.8137, 49.4857, 9.8076
YIQ	150.3530, -29.2820, -86.0980

Conversions

Conversions Part 2

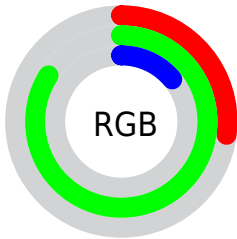
Format	Color
RYB	36, 214, 181
Decimal	4576804
CIELab	75.75, -67.56, 68.54
CIELCh	76, 96.240, 134.586
Yxy	49.4857, 0.3114, 0.5747
Android (android.graphics.Color)	4282766884 (0xFF45D624)
YUV	150.3530, -56.3760, -71.3466
Hunter-Lab	70.3461, -55.0670, 40.9761

Details

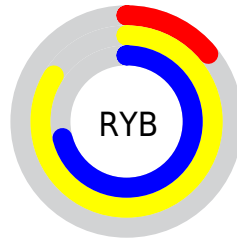
The Yxy color **49.4857, 0.3114, 0.5747** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **15.9571, 0.2823, 0.1414**, and the grayscale version is **30.9003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6361, 0.3213, 0.5184**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.8478, 0.3079, 0.5893**, and if you desaturate by 10%, it is **50.3932, 0.3143, 0.5525**.

Distribution



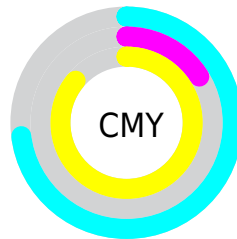
- Red (27%)
- Green (84%)
- Blue (14%)



- Red (14%)
- Yellow (84%)
- Blue (71%)



- Cyan (68%)
- Magenta (0%)
- Yellow (83%)
- Black (16%)




- Cyan (73%)
- Magenta (16%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4857, 0.3114, 0.5747 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 49.4857, 0.3114, 0.5747 by changing the saturation by 10% instead.

 49.4857, 0.3114,
0.5747

 49.4857, 0.3114,
0.5747


384.6513, 0.3231,
0.4456


 35.0049, 0.3043,
0.6062


 89.4124, 0.3187,
0.5276

 23.6667, 0.2927,
0.6450


 115.6271, 0.3205,
0.5099


 15.0865, 0.2737,
0.6931


 146.5219, 0.3217,
0.4949

 8.8801, 0.2436,
0.7564

 182.4812, 0.3224,
0.4821

 4.6631, 0.1881,
0.8119

 223.8894, 0.3228,
0.4710

 2.0510, 0.0040,
0.9960


 271.1309, 0.3230,

 0.6368, 0.0000,

0.4614

1.0000


324.5901, 0.3231,
0.4530

 0.0000, 0.0000,
0.0000

 49.4857, 0.3114,
0.5747


 49.4857, 0.3114,
0.5747


 48.8478, 0.3079,
0.5893


 50.3932, 0.3143,
0.5525

 48.5409, 0.3056,
0.5956

 51.5912, 0.3164,
0.5243

 53.1053, 0.3176,
0.4920

 54.9564, 0.3178,
0.4581

 57.1637, 0.3174,
0.4244

■ 59.7448, 0.3163,
0.3925

■ 62.7163, 0.3149,
0.3632

■ 66.0935, 0.3133,
0.3368

■ 69.8910, 0.3115,
0.3133

Harmonies

Analogous

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



49.4857, 0.4223, 0.5371



49.4857, 0.3114, 0.5747



49.4857, 0.2061, 0.4836

Triad

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



49.4857, 0.3114, 0.5747



49.4857, 0.1270, 0.1633



49.4857, 0.5190, 0.2895

Complementary

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



49.4857, 0.3114, 0.5747



15.9571, 0.2823, 0.1414

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.



49.4857, 0.3979, 0.2224



49.4857, 0.3114, 0.5747



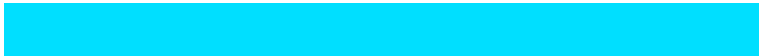
49.4857, 0.1747, 0.1538

Square

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



49.4857, 0.3114, 0.5747



49.4857, 0.1142, 0.2127



49.4857, 0.2662, 0.1745



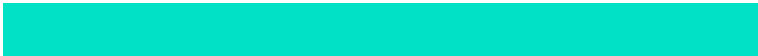
49.4857, 0.5603, 0.3650

Rectangle

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



49.4857, 0.3114, 0.5747



49.4857, 0.1548, 0.3747



49.4857, 0.2662, 0.1745



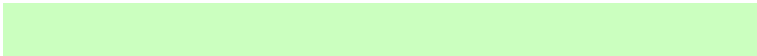
49.4857, 0.4848, 0.2659

Sweetspot

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



49.4878, 0.3114, 0.5747



87.9930, 0.3166, 0.3990



46.4300, 0.4459, 0.4700



18.5377, 0.3170, 0.4102



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.



49.4878, 0.3114, 0.5747



72.1270, 0.3052, 0.5959



49.2024, 0.2847, 0.5266



14.0052, 0.3143, 0.3529



29.3693, 0.3063, 0.5950



1.8050, 0.3173, 0.5863

Inverse Universe

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



15.9571, 0.2823, 0.1414



20.6140, 0.2736, 0.1281



18.1198, 0.3947, 0.2057



12.5113, 0.3109, 0.3058



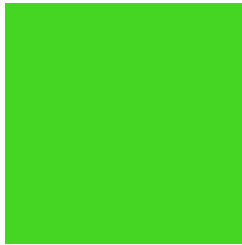
8.4482, 0.2748, 0.1288



0.5403, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 49.4857, 0.3114, 0.5747 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 49.4857, 0.3114, 0.5747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

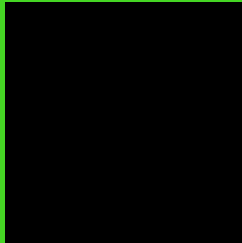
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4857, 0.3114, 0.5747

Background



This preview shows how black text looks on a background with the Yxy color 49.4857, 0.3114, 0.5747.



This preview shows how white text looks on a background with the Yxy color 49.4857, 0.3114, 0.5747.

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

49.4857, 0.3114, 0.5747

Protanopia

48.6115, 0.4353, 0.4834

Deuteranopia

48.5019, 0.4559, 0.4463



Tritanopia

49.0044, 0.2442, 0.3069

Trichromacy



Original Color

49.4857, 0.3114, 0.5747



Protanomaly

46.7469, 0.3801, 0.5242



Deuteranomaly

45.9329, 0.3935, 0.4993



Tritanomaly

47.7674, 0.2737, 0.4122

Monochromacy



Original Color

49.4857, 0.3114, 0.5747



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.0562, 0.3178, 0.4353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4857, 0.3114, 0.5747 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(69, 214, 36)` looks like.

```
.text, #text, p{  
    color:rgb(69, 214, 36)  
}
```

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(69, 214, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 214, 36) }
```

Border

The CSS property to change the border of an element to Yxy 49.4857, 0.3114, 0.5747 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(69, 214, 36) }
```

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

```
.border{ border-color:rgb(69, 214, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 214, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 214, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 214, 36);  
box-shadow:4px 4px 4px 4px rgb(69, 214,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4857, 0.3114, 0.5747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 214, 36) }
```

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

```
.background{ background-color: rgb(69, 214,  
36) }
```

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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