

Converting Colors

$Yxy(47.7455, 0.3378, 0.5538)$

Have a look what the booklet for
Yxy(47.7455, 0.3378, 0.5538)
contains.

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Color

Yxy(47.7147, 0.3375, 0.5540)

Conversions

Conversions Part 1

Format	Color
Hex	70CE24
RGB	112, 206, 36
RGB Percent	44%, 81%, 14%
CMY	0.5609, 0.1921, 0.8589
CMYK	0.46, 0.00, 0.83, 0.19
HSL	93°, 70%, 47%
HSV	93°, 83%, 81%
XYZ	29.0681, 47.7147, 9.3448
YIQ	158.5140, -1.4540, -72.7980

Conversions

Conversions Part 2

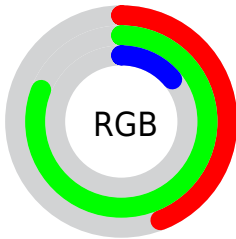
Format	Color
R _Y B	36, 206, 130
Decimal	7392804
CIE Lab	74.64, -53.84, 68.06
CIE LCh	75, 86.783, 128.344
Yxy	47.7147, 0.3375, 0.5540
Android (android.graphics.Color)	4285582884 (0xFF70CE24)
YUV	158.5140, -60.3994, -40.7928
Hunter-Lab	69.0758, -45.7674, 40.3321

Details

The Yxy color **47.7147, 0.3375, 0.5540** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark muted chartreuse. A complement of this color would be **10.4656, 0.2312, 0.1153**, and the grayscale version is **34.7150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0598, 0.3420, 0.5062**, and **22.7862, 0.3173, 0.5863** is the 20% darker color. If you saturate the color by 10%, you get **46.9246, 0.3332, 0.5689**, and if you desaturate by 10%, it is **48.6758, 0.3399, 0.5333**.

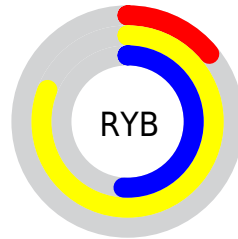
Distribution



Red (44%)

Green (81%)

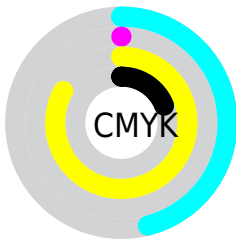
Blue (14%)



Red (14%)

Yellow (81%)

Blue (51%)

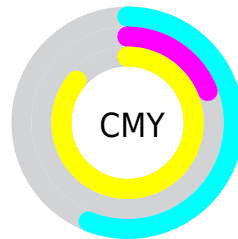


Cyan (46%)

Magenta (0%)

Yellow (83%)

Black (19%)



Cyan (56%)


Magenta (19%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7147, 0.3375, 0.5540 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 47.7147, 0.3375, 0.5540 by changing the saturation by 10% instead.


 47.7147, 0.3375,
0.5540

 47.7147, 0.3375,
0.5540


377.6602, 0.3353,
0.4374

 33.6010, 0.3338,
0.5819


 86.7795, 0.3397,
0.5120

 22.5873, 0.3265,
0.6159


 112.4993, 0.3396,
0.4959


 14.2890, 0.3132,
0.6581


 142.8567, 0.3391,
0.4824

 8.3220, 0.2890,
0.7110

 178.2360, 0.3385,
0.4707

 4.3017, 0.2401,
0.7599

 219.0216, 0.3377,
0.4607

 1.8437, 0.1095,
0.8905

 265.5979, 0.3369,

 0.5142, 0.0000,

0.4519

1.0000

318.3493, 0.3361,
0.4442


 0.0000, 0.0000,
0.0000

 47.7147, 0.3375,
0.5540

 47.7147, 0.3375,
0.5540

 46.9246, 0.3332,
0.5689


 48.6758, 0.3399,
0.5333

 46.4255, 0.3292,
0.5768

 49.8160, 0.3402,
0.5078

 51.1495, 0.3386,
0.4791

 52.6872, 0.3354,
0.4487

 54.4390, 0.3309,
0.4182

■ 56.4142, 0.3257,
0.3886

■ 58.6212, 0.3200,
0.3608

■ 61.0681, 0.3142,
0.3351

■ 63.7627, 0.3084,
0.3118

Harmonies

Analogous

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



47.7147, 0.4393, 0.5099



47.7147, 0.3375, 0.5540



47.7147, 0.2349, 0.4945

Triad

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



47.7147, 0.3375, 0.5540



47.7147, 0.1330, 0.1808



47.7147, 0.4830, 0.2800

Complementary

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



47.7147, 0.3375, 0.5540



10.4656, 0.2312, 0.1153

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.



47.7147, 0.3649, 0.2186



47.7147, 0.3375, 0.5540



47.7147, 0.1715, 0.1641

Square

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



47.7147, 0.3375, 0.5540



47.7147, 0.1280, 0.2391



47.7147, 0.2491, 0.1779



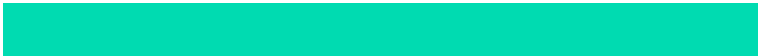
47.7147, 0.5408, 0.3514

Rectangle

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



47.7147, 0.3375, 0.5540



47.7147, 0.1801, 0.4024



47.7147, 0.2491, 0.1779



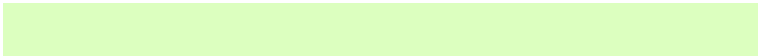
47.7147, 0.4474, 0.2580

Sweetspot

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



47.7168, 0.3375, 0.5540



90.4674, 0.3272, 0.3967



29.0824, 0.4934, 0.4259



19.1189, 0.3291, 0.4072



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.



47.7168, 0.3375, 0.5540



75.1951, 0.3289, 0.5766



44.7074, 0.2990, 0.5746



12.7782, 0.3182, 0.3525



28.6402, 0.3302, 0.5760



1.5223, 0.3458, 0.5636

Inverse Universe

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



10.4656, 0.2312, 0.1153



13.0427, 0.2122, 0.0946



18.4385, 0.3310, 0.1685



11.1447, 0.3068, 0.3057



5.0029, 0.2138, 0.0952



0.3027, 0.2341, 0.1063

Previews

White Background



This preview shows how the Yxy color 47.7147, 0.3375, 0.5540 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 47.7147, 0.3375, 0.5540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

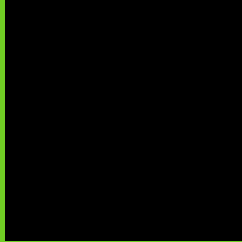
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7147, 0.3375, 0.5540

Background



This preview shows how black text looks on a background with the Yxy color 47.7147, 0.3375, 0.5540.



This preview shows how white text looks on a background with the Yxy color 47.7147, 0.3375, 0.5540.

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

47.7147, 0.3375, 0.5540

Protanopia

47.0825, 0.4359, 0.4815

Deuteranopia

46.8115, 0.4576, 0.4470



Tritanopia

47.5226, 0.2625, 0.3085

Trichromacy



Original Color

47.7147, 0.3375, 0.5540



Protanomaly

46.1365, 0.3971, 0.5102



Deuteranomaly

45.3423, 0.4103, 0.4881



Tritanomaly

46.5660, 0.2967, 0.4066

Monochromacy



Original Color

47.7147, 0.3375, 0.5540



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

38.0164, 0.3323, 0.4251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7147, 0.3375, 0.5540 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(112, 206, 36)` looks like.

```
.text, #text, p{  
    color:rgb(112, 206, 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(112, 206, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 206, 36) }
```

Border

The CSS property to change the border of an element to Yxy 47.7147, 0.3375, 0.5540 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(112, 206, 36) }
```

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

```
.border{ border-color:rgb(112, 206, 36) }
```

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

Here you see how a box with a 4 pixel rgb(112, 206, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 206, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 206, 36);  
box-shadow:4px 4px 4px 4px rgb(112, 206,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7147, 0.3375, 0.5540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 206, 36) }
```

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

```
.background{ background-color: rgb(112,  
206, 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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