

Converting Colors

Yxy(47.2443, 0.3211, 0.5669)

Have a look what the booklet for
Yxy(47.2443, 0.3211, 0.5669)
contains.

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Color

Yxy(47.2593, 0.3214, 0.5670)

Conversions

Conversions Part 1	
Format	Color
Hex	57D023
RGB	87, 208, 35
RGB Percent	34%, 82%, 14%
CMY	0.6589, 0.1843, 0.8626
CMYK	0.58, 0.00, 0.83, 0.18
HSL	102°, 71%, 48%
HSV	102°, 83%, 82%
XYZ	26.7886, 47.2593, 9.3018
YIQ	152.0990, -16.5830, -79.4550

Conversions

Conversions Part 2

Format	Color
RYB	35, 208, 156
Decimal	5754915
CIELab	74.36, -61.64, 67.70
CIELCh	74, 91.557, 132.317
Yxy	47.2593, 0.3214, 0.5670
Android (android.graphics.Color)	4283944995 (0xFF57D023)
YUV	152.0990, -57.7298, -57.0918
Hunter-Lab	68.7454, -50.7468, 40.0993

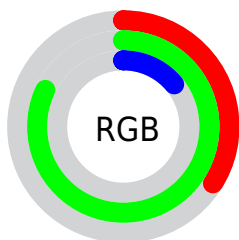
Details

The Yxy color **47.2593, 0.3214, 0.5670** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **12.8317, 0.2588, 0.1292**, and the grayscale version is **31.7042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7726, 0.3290, 0.5150**, and **22.4565, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.5410, 0.3170, 0.5821**, and if you desaturate by 10%, it is **48.1960, 0.3246, 0.5452**.

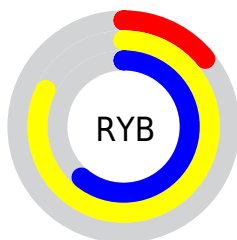
Distribution



Red (34%)

Green (82%)

Blue (14%)



Red (14%)

Yellow (82%)

Blue (61%)

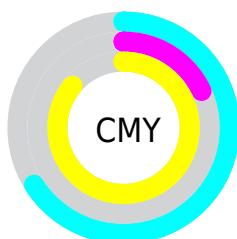


Cyan (58%)

Magenta (0%)

Yellow (83%)

Black (18%)



Cyan (66%)

Magenta (18%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2593, 0.3214, 0.5670 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 47.2593, 0.3214, 0.5670 by changing the saturation by 10% instead.


 47.2593, 0.3214,
0.5670


 47.2593, 0.3214,
0.5670


 375.8486, 0.3278,
0.4419


 33.2407, 0.3155,
0.5975


 86.1005, 0.3268,
0.5214

 22.3109, 0.3053,
0.6351


 111.6920, 0.3279,
0.5042

 14.0855, 0.2881,
0.6822


 141.9098, 0.3284,
0.4897

 8.1802, 0.2587,
0.7413

 177.1384, 0.3286,
0.4772

 4.2105, 0.2037,
0.7963

 217.7622, 0.3286,
0.4665

 1.7920, 0.0032,
0.9968


 264.1656, 0.3284,


 0.4822, 0.0000,

0.4572


1.0000


316.7329, 0.3281,
0.4491


 0.0000, 0.0000,
0.0000


 47.2593, 0.3214,
0.5670

 47.2593, 0.3214,
0.5670


 46.5410, 0.3170,
0.5821

 48.1960, 0.3246,
0.5452


 46.1539, 0.3137,
0.5891


 49.3641, 0.3263,
0.5180


 50.7823, 0.3265,
0.4871


 52.4655, 0.3255,
0.4547

 54.4272, 0.3234,
0.4224

 56.6801, 0.3206,
0.3915

 59.2360, 0.3173,
0.3628

 62.1060, 0.3138,
0.3367

 65.3006, 0.3103,
0.3133

Harmonies

Analogous

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



47.2593, 0.4290, 0.5267



47.2593, 0.3214, 0.5670



47.2593, 0.2169, 0.4883

Triad

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



47.2593, 0.3214, 0.5670



47.2593, 0.1291, 0.1697



47.2593, 0.5055, 0.2861

Complementary

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



47.2593, 0.3214, 0.5670



12.8317, 0.2588, 0.1292

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.



47.2593, 0.3851, 0.2210



47.2593, 0.3214, 0.5670



47.2593, 0.1734, 0.1575

Square

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



47.2593, 0.3214, 0.5670



47.2593, 0.1192, 0.2224



47.2593, 0.2595, 0.1757



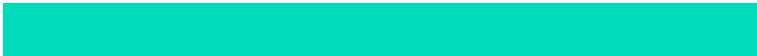
47.2593, 0.5535, 0.3600

Rectangle

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



47.2593, 0.3214, 0.5670



47.2593, 0.1641, 0.3855



47.2593, 0.2595, 0.1757



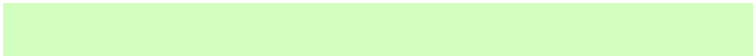
47.2593, 0.4707, 0.2630

Sweetspot

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



47.2613, 0.3214, 0.5670



89.0524, 0.3212, 0.3980



36.3901, 0.4674, 0.4506



18.7853, 0.3223, 0.4089



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.



47.2613, 0.3214, 0.5670



73.0805, 0.3130, 0.5897



45.8745, 0.2923, 0.5529



13.3759, 0.3160, 0.3527



28.8082, 0.3146, 0.5884



1.6521, 0.3288, 0.5771

Inverse Universe

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



12.8317, 0.2588, 0.1292



16.7343, 0.2448, 0.1122



17.7608, 0.3627, 0.1868



11.8234, 0.3090, 0.3058



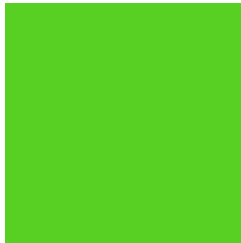
6.6727, 0.2467, 0.1132



0.4134, 0.2607, 0.1210

Previews

White Background



This preview shows how the Yxy color 47.2593, 0.3214, 0.5670 looks on a white background.

Color Contrast Check

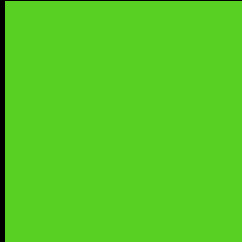
Large Text (above 18pt) WCAG AA × Fail

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 47.2593, 0.3214, 0.5670 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 47.2593, 0.3214, 0.5670

Background



This preview shows how black text looks on a background with the Yxy color 47.2593, 0.3214, 0.5670.



This preview shows how white text looks on a background with the Yxy color 47.2593, 0.3214, 0.5670.

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

47.2593, 0.3214, 0.5670

Protanopia

46.3771, 0.4355, 0.4828

Deuteranopia

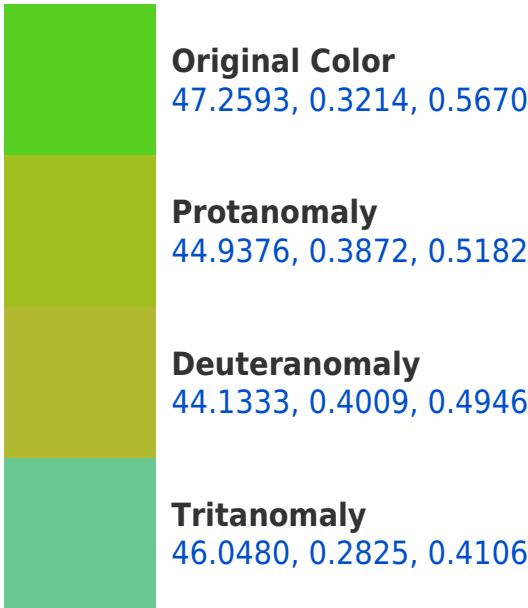
46.1023, 0.4568, 0.4471



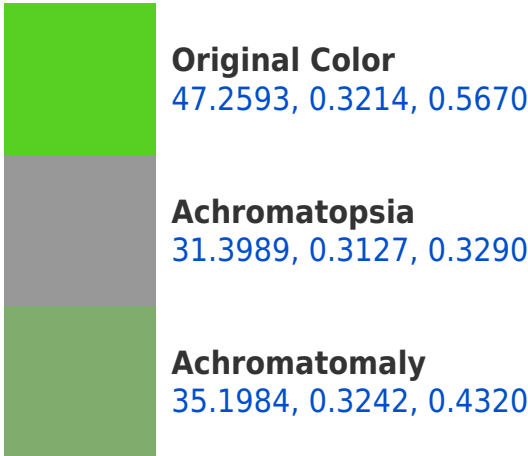
Tritanopia

47.1090, 0.2512, 0.3081

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2593, 0.3214, 0.5670 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(87, 208, 35)` looks like.

```
.text, #text, p{  
    color:rgb(87, 208, 35)  
}
```

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(87, 208, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 208, 35) }
```

Border

The CSS property to change the border of an element to Yxy 47.2593, 0.3214, 0.5670 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(87, 208, 35) }
```

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

```
.border{ border-color:rgb(87, 208, 35) }
```

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

Here you see how a box with a 4 pixel rgb(87, 208, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 208, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 208, 35);  
box-shadow:4px 4px 4px 4px rgb(87, 208,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2593, 0.3214, 0.5670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 208, 35) }
```

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

```
.background{ background-color: rgb(87, 208,  
35) }
```

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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