

Converting Colors

Yxy(44.7617, 0.3101, 0.5280)

Have a look what the booklet for
Yxy(44.7617, 0.3101, 0.5280)
contains.

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Color

Yxy(44.7617, 0.3101, 0.5280)

Conversions

Conversions Part 1

Format	Color
Hex	57CA4A
RGB	87, 202, 74
RGB Percent	34%, 79%, 29%
CMY	0.6586, 0.2078, 0.7100
CMYK	0.57, 0.00, 0.63, 0.21
HSL	114°, 55%, 54%
HSV	114°, 63%, 79%
XYZ	26.2890, 44.7617, 13.7252
YIQ	153.0230, -27.4520, -64.1880

Conversions

Conversions Part 2

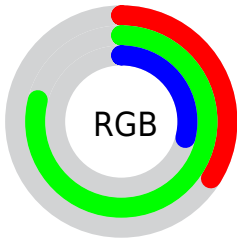
Format	Color
RYB	74, 202, 189
Decimal	5753418
CIELab	72.73, -56.70, 52.71
CIELCh	73, 77.419, 137.090
Yxy	44.7617, 0.3101, 0.5280
Android (android.graphics.Color)	4283943498 (0xFF57CA4A)
YUV	153.0230, -38.9583, -57.9022
Hunter-Lab	66.9042, -46.9434, 34.6697

Details

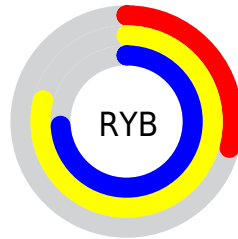
The Yxy color **44.7617, 0.3101, 0.5280** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **19.9646, 0.3043, 0.1783**, and the grayscale version is **32.0517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2554, 0.3157, 0.4846**, and **20.8991, 0.2978, 0.5919** is the 20% darker color. If you saturate the color by 10%, you get **43.7673, 0.3081, 0.5566**, and if you desaturate by 10%, it is **46.0666, 0.3116, 0.4951**.

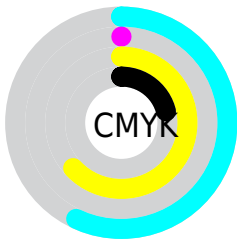
Distribution



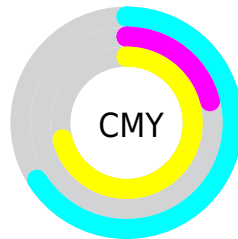
- Red (34%)
- Green (79%)
- Blue (29%)



- Red (29%)
- Yellow (79%)
- Blue (74%)



- Cyan (57%)
- Magenta (0%)
- Yellow (63%)
- Black (21%)





- Cyan (66%)
- Magenta (21%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7617, 0.3101, 0.5280 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 44.7617, 0.3101, 0.5280 by changing the saturation by 10% instead.


 44.7617, 0.3101,
0.5280

 44.7617, 0.3101,
0.5280


365.8076, 0.3181,
0.4209

 31.2698, 0.3054,
0.5560


 82.3627, 0.3149,
0.4878


 20.8044, 0.2975,
0.5921


 107.2406, 0.3161,
0.4730


 12.9811, 0.2840,
0.6393


 136.6825, 0.3169,
0.4607

 7.4155, 0.2632,
0.7117

 171.0730, 0.3174,
0.4503

 3.7233, 0.2149,
0.7851

 210.7963, 0.3177,
0.4413

 1.5200, 0.0000,
1.0000

256.2369, 0.3179,

 0.3027, 0.0000,

0.4336

1.0000

307.7792, 0.3180,
0.4268

■ 0.0000, 0.0000,
0.0000

■ 44.7617, 0.3101,
0.5280

■ 44.7617, 0.3101,
0.5280

■ 43.7673, 0.3081,
0.5566

■ 46.0666, 0.3116,
0.4951

■ 43.0522, 0.3059,
0.5787

■ 47.6988, 0.3126,
0.4603

■ 42.5887, 0.3035,
0.5926

■ 49.6807, 0.3132,
0.4260

■ 42.3968, 0.3023,
0.5982

■ 52.0310, 0.3133,
0.3935

■ 54.7673, 0.3132,
0.3638

■ 57.9057, 0.3129,
0.3373

■ 61.4616, 0.3124,
0.3139

■ 65.4497, 0.3118,
0.2935

■ 69.8346, 0.3117,
0.2766

Harmonies

Analogous

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



44.7617, 0.4075, 0.5153



44.7617, 0.3101, 0.5280



44.7617, 0.2184, 0.4442

Triad

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



44.7617, 0.3101, 0.5280



44.7617, 0.1517, 0.1834



44.7617, 0.4915, 0.3042

Complementary

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



44.7617, 0.3101, 0.5280



19.9646, 0.3043, 0.1783

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.



44.7617, 0.3947, 0.2420



44.7617, 0.3101, 0.5280



44.7617, 0.1988, 0.1759

Square

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



44.7617, 0.3101, 0.5280



44.7617, 0.1380, 0.2266



44.7617, 0.2830, 0.1966



44.7617, 0.5241, 0.3743

Rectangle

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



44.7617, 0.3101, 0.5280



44.7617, 0.1738, 0.3583



44.7617, 0.2830, 0.1966



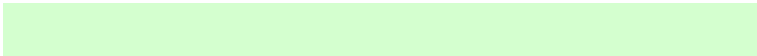
44.7617, 0.4645, 0.2822

Sweetspot

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



44.7636, 0.3101, 0.5280



89.9261, 0.3133, 0.3809



48.6176, 0.4109, 0.4606



18.9700, 0.3133, 0.3897



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.



44.7636, 0.3101, 0.5280



73.6087, 0.3073, 0.5656



45.1267, 0.2789, 0.4574



12.5909, 0.3131, 0.3528



27.3002, 0.3027, 0.5979



1.4275, 0.3108, 0.5914

Inverse Universe

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



19.9646, 0.3043, 0.1783



28.2742, 0.3011, 0.1575



19.7461, 0.3852, 0.2337



11.3432, 0.3122, 0.3060



9.1158, 0.2955, 0.1402



0.4875, 0.3008, 0.1431

Previews

White Background



This preview shows how the Yxy color 44.7617, 0.3101, 0.5280 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 44.7617, 0.3101, 0.5280 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 44.7617, 0.3101, 0.5280

Background



This preview shows how black text looks on a background with the Yxy color 44.7617, 0.3101, 0.5280.



This preview shows how white text looks on a background with the Yxy color 44.7617, 0.3101, 0.5280.

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

44.7617, 0.3101, 0.5280

Protanopia

43.8553, 0.4189, 0.4590

Deuteranopia

44.0761, 0.4344, 0.4254



Tritanopia

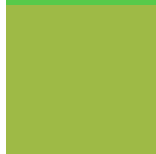
44.3997, 0.2505, 0.3076

Trichromacy



Original Color

44.7617, 0.3101, 0.5280



Protanomaly

42.8291, 0.3726, 0.4871



Deuteranomaly

42.2849, 0.3822, 0.4648



Tritanomaly

44.0212, 0.2738, 0.3862

Monochromacy



Original Color

44.7617, 0.3101, 0.5280



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

35.2482, 0.3135, 0.4054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7617, 0.3101, 0.5280 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, 202, 74)` looks like.

```
.text, #text, p{  
    color:rgb(87, 202, 74)  
}
```

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, 202, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 202, 74) }
```

Border

The CSS property to change the border of an element to Yxy 44.7617, 0.3101, 0.5280 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, 202, 74) }
```

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

```
.border{ border-color:rgb(87, 202, 74) }
```

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

Here you see how a box with a 4 pixel rgb(87, 202, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 202, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 202, 74);  
box-shadow:4px 4px 4px 4px rgb(87, 202,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7617, 0.3101, 0.5280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 202, 74) }
```

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

```
.background{ background-color: rgb(87, 202,  
74) }
```

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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