

Converting Colors

$Y_{xy}(60.2982, 0.3278, 0.5556)$

Have a look what the booklet for
Yxy(60.2982, 0.3278, 0.5556)
contains.

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Color

Yxy(60.2601, 0.3276, 0.5556)

Conversions

Conversions Part 1

Format	Color
Hex	70E631
RGB	112, 230, 49
RGB Percent	44%, 90%, 19%
CMY	0.5609, 0.0980, 0.8077
CMYK	0.51, 0.00, 0.79, 0.10
HSL	99°, 78%, 55%
HSV	99°, 79%, 90%
XYZ	35.5313, 60.2601, 12.6681
YIQ	174.0840, -12.2270, -81.3070

Conversions

Conversions Part 2

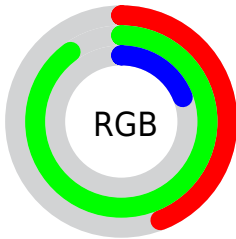
Format	Color
RYB	49, 230, 167
Decimal	7398961
CIELab	81.98, -62.14, 71.29
CIELCh	82, 94.572, 131.075
Yxy	60.2601, 0.3276, 0.5556
Android (android.graphics.Color)	4285589041 (0xFF70E631)
YUV	174.0840, -61.6664, -54.4477
Hunter-Lab	77.6274, -54.1455, 44.6636

Details

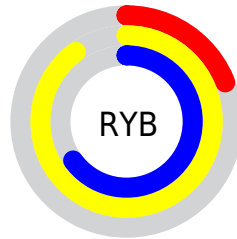
The Yxy color **60.2601, 0.3276, 0.5556** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **16.1373, 0.2531, 0.1303**, and the grayscale version is **42.7009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5300, 0.3385, 0.4945**, and **30.3794, 0.3099, 0.5921** is the 20% darker color. If you saturate the color by 10%, you get **59.2121, 0.3235, 0.5734**, and if you desaturate by 10%, it is **61.5761, 0.3300, 0.5317**.

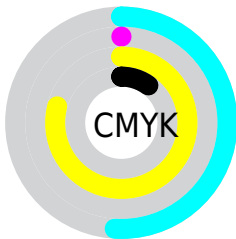
Distribution



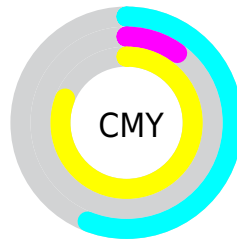
- Red (44%)
- Green (90%)
- Blue (19%)



- Red (19%)
- Yellow (90%)
- Blue (65%)



- Cyan (51%)
- Magenta (0%)
- Yellow (79%)
- Black (10%)





- Cyan (56%)
- Magenta (10%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2601, 0.3276, 0.5556 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 60.2601, 0.3276, 0.5556 by changing the saturation by 10% instead.


 60.2601, 0.3276,
0.5556


 60.2601, 0.3276,
0.5556


425.5558, 0.3303,
0.4415


 43.6283, 0.3235,
0.5822


 105.2069, 0.3312,
0.5151


 30.3784, 0.3163,
0.6144


 134.2907, 0.3318,
0.4995

 20.1260, 0.3038,
0.6534

 168.2939, 0.3319,
0.4862

 12.4867, 0.2861,
0.7096

 207.6010, 0.3318,
0.4748

 7.0760, 0.2455,
0.7545

 252.5964, 0.3315,
0.4648

 3.5097, 0.1848,
0.8152

303.6644, 0.3312,

 1.4033, 0.0000,

0.4561

1.0000

361.1894, 0.3308,
0.4484

■ 0.2191, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.2601, 0.3276,
0.5556

■ 60.2601, 0.3276,
0.5556

■ 59.2121, 0.3235,
0.5734

■ 61.5761, 0.3300,
0.5317


■ 58.3967, 0.3183,
0.5847

■ 63.1734, 0.3307,
0.5032


■ 58.3025, 0.3177,
0.5860


■ 65.0727, 0.3298,
0.4720


■ 67.2906, 0.3276,
0.4399

 69.8423, 0.3245,
0.4084

 72.7420, 0.3206,
0.3785

 76.0029, 0.3165,
0.3509

 79.6376, 0.3121,
0.3258

 83.5903, 0.3085,
0.3044

Harmonies

Analogous

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



60.2601, 0.4310, 0.5174



60.2601, 0.3276, 0.5556



60.2601, 0.2257, 0.4849

Triad

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



60.2601, 0.3276, 0.5556



60.2601, 0.1341, 0.1769



60.2601, 0.4930, 0.2858

Complementary

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



60.2601, 0.3276, 0.5556



16.1373, 0.2531, 0.1303

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.



60.2601, 0.3769, 0.2228



60.2601, 0.3276, 0.5556



60.2601, 0.1760, 0.1632

Square

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



60.2601, 0.3276, 0.5556



60.2601, 0.1260, 0.2308



60.2601, 0.2578, 0.1797



60.2601, 0.5434, 0.3581

Rectangle

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



60.2601, 0.3276, 0.5556



60.2601, 0.1730, 0.3894



60.2601, 0.2578, 0.1797



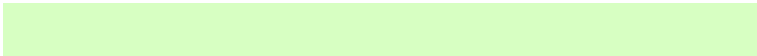
60.2601, 0.4589, 0.2633

Sweetspot

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



60.2627, 0.3276, 0.5556



89.8657, 0.3228, 0.3945



44.5626, 0.4669, 0.4432



18.9617, 0.3241, 0.4054



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.



60.2627, 0.3276, 0.5556



74.1887, 0.3205, 0.5806



57.7760, 0.2939, 0.5500



16.3316, 0.3168, 0.3529



33.0667, 0.3187, 0.5851



2.4937, 0.3300, 0.5762

Inverse Universe

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



16.1373, 0.2531, 0.1303



16.3005, 0.2386, 0.1106



23.3295, 0.3520, 0.1846



14.3513, 0.3082, 0.3054



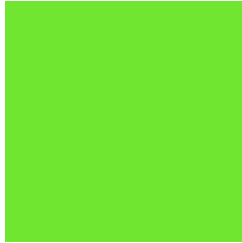
6.9767, 0.2352, 0.1069



0.5667, 0.2478, 0.1139

Previews

White Background



This preview shows how the Yxy color 60.2601, 0.3276, 0.5556 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 60.2601, 0.3276, 0.5556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

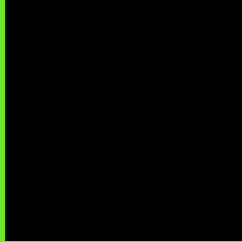
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.2601, 0.3276, 0.5556

Background



This preview shows how black text looks on a background with the Yxy color 60.2601, 0.3276, 0.5556.

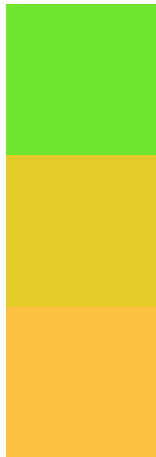


This preview shows how white text looks on a background with the Yxy color 60.2601, 0.3276, 0.5556.

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

60.2601, 0.3276, 0.5556

Protanopia

59.3730, 0.4338, 0.4790

Deuteranopia

58.9872, 0.4544, 0.4439



Tritanopia

59.7023, 0.2567, 0.3077

Trichromacy



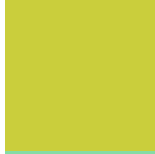
Original Color

60.2601, 0.3276, 0.5556



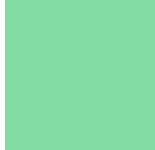
Protanomaly

58.2171, 0.3901, 0.5102



Deuteranomaly

57.0254, 0.4036, 0.4871



Tritanomaly

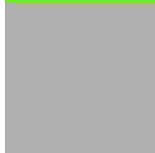
58.8085, 0.2881, 0.4043

Monochromacy



Original Color

60.2601, 0.3276, 0.5556



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.7479, 0.3255, 0.4225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2601, 0.3276, 0.5556 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, 230, 49)` looks like.

```
.text, #text, p{  
    color:rgb(112, 230, 49)  
}
```

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, 230, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 230, 49) }
```

Border

The CSS property to change the border of an element to Yxy 60.2601, 0.3276, 0.5556 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, 230, 49) }
```

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

```
.border{ border-color:rgb(112, 230, 49) }
```

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

Here you see how a box with a 4 pixel rgb(112, 230, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 230, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 230, 49);  
box-shadow:4px 4px 4px 4px rgb(112, 230,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2601, 0.3276, 0.5556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 230, 49) }
```

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

```
.background{ background-color: rgb(112,  
230, 49) }
```

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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