

Converting Colors

$Yxy(56.2801, 0.3301, 0.5315)$

Have a look what the booklet for
Yxy(56.2801, 0.3301, 0.5315)
contains.

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Color

Yxy(56.2801, 0.3301, 0.5315)

Conversions

Conversions Part 1

Format	Color
Hex	7ADD45
RGB	122, 221, 69
RGB Percent	48%, 87%, 27%
CMY	0.5217, 0.1333, 0.7293
CMYK	0.45, 0.00, 0.69, 0.13
HSL	99°, 69%, 57%
HSV	99°, 69%, 87%
XYZ	34.9540, 56.2801, 14.6551
YIQ	174.0710, -10.2120, -68.2600

Conversions

Conversions Part 2

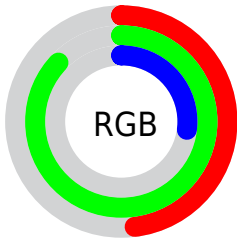
Format	Color
RYB	69, 221, 168
Decimal	8052037
CIELab	79.77, -54.59, 62.63
CIELCh	80, 83.081, 131.076
Yxy	56.2801, 0.3301, 0.5315
Android (android.graphics.Color)	4286242117 (0xFF7ADD45)
YUV	174.0710, -51.8000, -45.6663
Hunter-Lab	75.0201, -48.1168, 40.9318

Details

The Yxy color **56.2801, 0.3301, 0.5315** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **17.8131, 0.2626, 0.1492**, and the grayscale version is **42.6401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8244, 0.3370, 0.4770**, and **27.9024, 0.3214, 0.5830** is the 20% darker color. If you saturate the color by 10%, you get **55.0829, 0.3277, 0.5554**, and if you desaturate by 10%, it is **57.7401, 0.3308, 0.5031**.

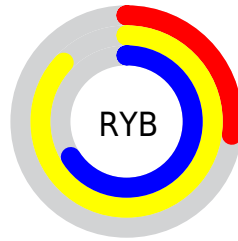
Distribution



Red (48%)

Green (87%)

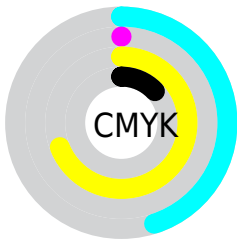
Blue (27%)



Red (27%)

Yellow (87%)

Blue (66%)

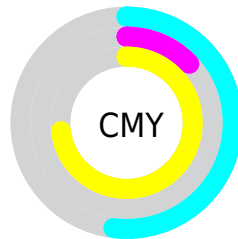


Cyan (45%)

Magenta (0%)

Yellow (69%)

Black (13%)



Cyan (52%)


Magenta (13%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2801, 0.3301, 0.5315 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 56.2801, 0.3301, 0.5315 by changing the saturation by 10% instead.


 56.2801, 0.3301,
0.5315

 56.2801, 0.3301,
0.5315


410.7462, 0.3292,
0.4281


 40.4275, 0.3275,
0.5564


 99.4140, 0.3318,
0.4942

 27.8721, 0.3225,
0.5873

 127.4641, 0.3319,
0.4801

 18.2292, 0.3131,
0.6258


 160.3489, 0.3316,
0.4681

 11.1147, 0.2973,
0.6774

 198.4527, 0.3313,
0.4578

 6.1440, 0.2645,
0.7355

 242.1599, 0.3308,
0.4489

 2.9329, 0.2032,
0.7968

291.8550, 0.3303,

 1.0968, 0.0000,

0.4411

1.0000

347.9223, 0.3298,
0.4342

■ 0.0000, 0.0000,
0.0000

■ 56.2801, 0.3301,
0.5315

■ 56.2801, 0.3301,
0.5315

■ 55.0829, 0.3277,
0.5554

■ 57.7401, 0.3308,
0.5031

■ 54.1224, 0.3237,
0.5731

■ 59.4723, 0.3299,
0.4719


■ 53.3752, 0.3185,
0.5846


■ 61.4940, 0.3277,
0.4399

■ 53.2943, 0.3179,
0.5858


■ 63.8190, 0.3245,
0.4084

■ 66.4602, 0.3207,
0.3786

 69.4296, 0.3165,
0.3510

 72.7385, 0.3122,
0.3261

 76.3977, 0.3079,
0.3037

 79.5561, 0.3119,
0.2957

Harmonies

Analogous

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



56.2801, 0.4253, 0.5036



56.2801, 0.3301, 0.5315



56.2801, 0.2354, 0.4668

Triad

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



56.2801, 0.3301, 0.5315



56.2801, 0.1471, 0.1895



56.2801, 0.4752, 0.2911

Complementary

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



56.2801, 0.3301, 0.5315



17.8131, 0.2626, 0.1492

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.



56.2801, 0.3714, 0.2317



56.2801, 0.3301, 0.5315



56.2801, 0.1870, 0.1756

Square

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



56.2801, 0.3301, 0.5315



56.2801, 0.1400, 0.2412



56.2801, 0.2634, 0.1910



56.2801, 0.5226, 0.3599

Rectangle

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



56.2801, 0.3301, 0.5315



56.2801, 0.1860, 0.3840



56.2801, 0.2634, 0.1910



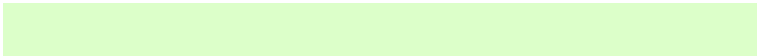
56.2801, 0.4446, 0.2699

Sweetspot

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



56.2825, 0.3301, 0.5315



90.9900, 0.3216, 0.3856



43.7407, 0.4472, 0.4360



19.2548, 0.3227, 0.3938



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.



56.2825, 0.3301, 0.5315



75.4841, 0.3259, 0.5649



53.7531, 0.2940, 0.5226



14.8257, 0.3168, 0.3528



31.0140, 0.3189, 0.5850



2.0562, 0.3317, 0.5748

Inverse Universe

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



17.8131, 0.2626, 0.1492



18.8303, 0.2485, 0.1230



23.7203, 0.3462, 0.1947



13.0361, 0.3083, 0.3056



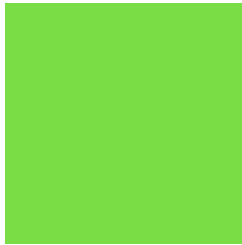
6.5432, 0.2352, 0.1070



0.4712, 0.2494, 0.1147

Previews

White Background



This preview shows how the Yxy color 56.2801, 0.3301, 0.5315 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 56.2801, 0.3301, 0.5315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

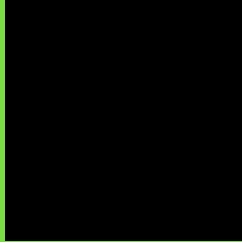
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.2801, 0.3301, 0.5315

Background



This preview shows how black text looks on a background with the Yxy color 56.2801, 0.3301, 0.5315.

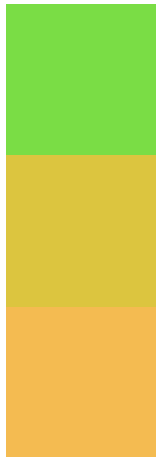


This preview shows how white text looks on a background with the Yxy color 56.2801, 0.3301, 0.5315.

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

56.2801, 0.3301, 0.5315

Protanopia

55.5070, 0.4246, 0.4678

Deuteranopia

55.3678, 0.4439, 0.4345



Tritanopia

55.6734, 0.2618, 0.3073

Trichromacy



Original Color

56.2801, 0.3301, 0.5315



Protanomaly

54.7146, 0.3862, 0.4938



Deuteranomaly

53.6620, 0.3991, 0.4698



Tritanomaly

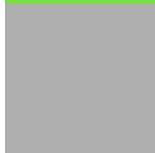
54.7818, 0.2900, 0.3899

Monochromacy



Original Color

56.2801, 0.3301, 0.5315



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.0077, 0.3243, 0.4077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2801, 0.3301, 0.5315 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(122, 221, 69)` looks like.

```
.text, #text, p{  
    color:rgb(122, 221, 69)  
}
```

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(122, 221, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 221, 69) }
```

Border

The CSS property to change the border of an element to Yxy 56.2801, 0.3301, 0.5315 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(122, 221, 69) }
```

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

```
.border{ border-color:rgb(122, 221, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 221, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 221, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 221, 69);  
box-shadow:4px 4px 4px 4px rgb(122, 221,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2801, 0.3301, 0.5315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 221, 69) }
```

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

```
.background{ background-color: rgb(122,  
221, 69) }
```

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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