

Converting Colors

$Yxy(42.8512, 0.3221, 0.5251)$

Have a look what the booklet for
Yxy(42.8512, 0.3221, 0.5251)
contains.

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Color

Yxy(42.6762, 0.3219, 0.5246)

Conversions

Conversions Part 1

Format	Color
Hex	65C445
RGB	101, 196, 69
RGB Percent	40%, 77%, 27%
CMY	0.6037, 0.2314, 0.7294
CMYK	0.48, 0.00, 0.65, 0.23
HSL	105°, 52%, 52%
HSV	105°, 65%, 77%
XYZ	26.1866, 42.6762, 12.4872
YIQ	153.1170, -15.8530, -59.6370

Conversions

Conversions Part 2

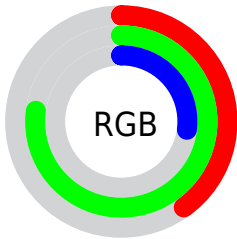
Format	Color
RYB	69, 196, 164
Decimal	6669381
CIELab	71.33, -51.09, 53.41
CIElCh	71, 73.911, 133.731
Yxy	42.6762, 0.3219, 0.5246
Android (android.graphics.Color)	4284859461 (0xFF65C445)
YUV	153.1170, -41.4697, -45.7066
Hunter-Lab	65.3270, -42.7700, 34.3957

Details

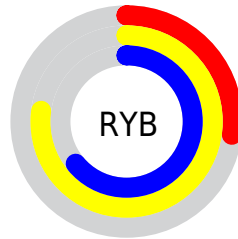
The Yxy color **42.6762, 0.3219, 0.5246** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **16.1270, 0.2812, 0.1656**, and the grayscale version is **32.1061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0266, 0.3251, 0.4853**, and **19.4706, 0.3122, 0.5874** is the 20% darker color. If you saturate the color by 10%, you get **41.7012, 0.3198, 0.5516**, and if you desaturate by 10%, it is **43.8860, 0.3227, 0.4937**.

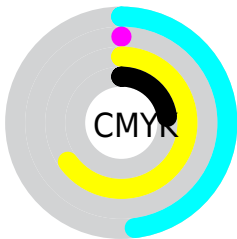
Distribution



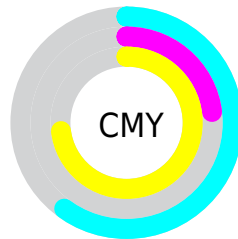
- Red (40%)
- Green (77%)
- Blue (27%)



- Red (27%)
- Yellow (77%)
- Blue (64%)



- Cyan (48%)
- Magenta (0%)
- Yellow (65%)
- Black (23%)



- Cyan (60%)
- Magenta (23%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6762, 0.3219, 0.5246 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 42.6762, 0.3219, 0.5246 by changing the saturation by 10% instead.


 42.6762, 0.3219,
0.5246


 42.6762, 0.3219,
0.5246

357.2784, 0.3239,
0.4194


 29.6311, 0.3185,
0.5520


 79.2220, 0.3246,
0.4852


 19.5588, 0.3122,
0.5872


 103.4915, 0.3250,
0.4707


 12.0747, 0.3002,
0.6328


 132.2714, 0.3251,
0.4585

 6.7946, 0.2846,
0.7109

 165.9458, 0.3250,
0.4483

 3.3340, 0.2321,
0.7679

 204.8994, 0.3248,
0.4395

 1.3085, 0.0000,
1.0000

249.5164, 0.3245,

 0.1478, 0.0000,

0.4319

1.0000

300.1813, 0.3242,
0.4252

■ 0.0000, 0.0000,
0.0000

■ 42.6762, 0.3219,
0.5246

■ 42.6762, 0.3219,
0.5246

■ 41.7012, 0.3198,
0.5516

■ 43.8860, 0.3227,
0.4937

■ 40.9392, 0.3165,
0.5727

■ 45.3398, 0.3224,
0.4609

■ 40.3733, 0.3123,
0.5867

■ 47.0525, 0.3211,
0.4280

■ 40.1428, 0.3101,
0.5920

■ 49.0366, 0.3192,
0.3965

■ 51.3034, 0.3167,
0.3673

■ 53.8637, 0.3141,
0.3407

■ 56.7278, 0.3112,
0.3170

■ 59.9053, 0.3084,
0.2959

■ 63.4055, 0.3057,
0.2775

Harmonies

Analogous

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



42.6762, 0.4161, 0.5052



42.6762, 0.3219, 0.5246



42.6762, 0.2302, 0.4532

Triad

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



42.6762, 0.3219, 0.5246



42.6762, 0.1522, 0.1898



42.6762, 0.4782, 0.2980

Complementary

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



42.6762, 0.3219, 0.5246



16.1270, 0.2812, 0.1656

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.



42.6762, 0.3801, 0.2382



42.6762, 0.3219, 0.5246



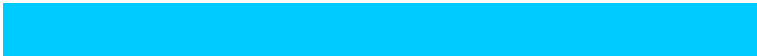
42.6762, 0.1947, 0.1787

Square

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



42.6762, 0.3219, 0.5246



42.6762, 0.1424, 0.2372



42.6762, 0.2731, 0.1961



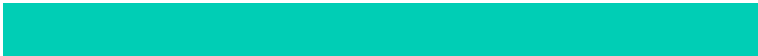
42.6762, 0.5185, 0.3664

Rectangle

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



42.6762, 0.3219, 0.5246



42.6762, 0.1836, 0.3717



42.6762, 0.2731, 0.1961



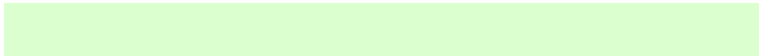
42.6762, 0.4499, 0.2767

Sweetspot

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



42.6780, 0.3219, 0.5246



91.0295, 0.3179, 0.3802



38.0515, 0.4283, 0.4431



19.2318, 0.3186, 0.3887



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.



42.6780, 0.3219, 0.5246



74.8904, 0.3185, 0.5617



41.6369, 0.2890, 0.4926



11.3790, 0.3153, 0.3525



25.8301, 0.3109, 0.5913



1.1501, 0.3280, 0.5778

Inverse Universe

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



16.1270, 0.2812, 0.1656



23.0057, 0.2714, 0.1400



18.7583, 0.3584, 0.2113



10.1154, 0.3098, 0.3060



6.5601, 0.2584, 0.1197



0.3145, 0.2730, 0.1278

Previews

White Background



This preview shows how the Yxy color 42.6762, 0.3219, 0.5246 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 42.6762, 0.3219, 0.5246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

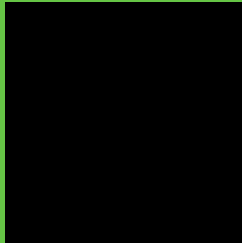
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6762, 0.3219, 0.5246

Background



This preview shows how black text looks on a background with the Yxy color 42.6762, 0.3219, 0.5246.

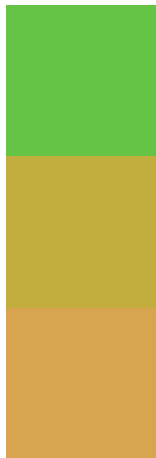


This preview shows how white text looks on a background with the Yxy color 42.6762, 0.3219, 0.5246.

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

42.6762, 0.3219, 0.5246

Protanopia

42.1003, 0.4198, 0.4617

Deuteranopia

41.9219, 0.4375, 0.4276



Tritanopia

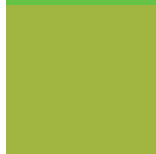
42.3042, 0.2586, 0.3074

Trichromacy



Original Color

42.6762, 0.3219, 0.5246



Protanomaly

41.3111, 0.3796, 0.4873



Deuteranomaly

40.5573, 0.3915, 0.4636



Tritanomaly

41.9138, 0.2838, 0.3865

Monochromacy



Original Color

42.6762, 0.3219, 0.5246



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.8494, 0.3199, 0.4049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6762, 0.3219, 0.5246 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(101, 196, 69)` looks like.

```
.text, #text, p{  
    color:rgb(101, 196, 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(101, 196, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 196, 69) }
```

Border

The CSS property to change the border of an element to Yxy 42.6762, 0.3219, 0.5246 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(101, 196, 69) }
```

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

```
.border{ border-color:rgb(101, 196, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 196, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 196, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 196, 69);  
box-shadow:4px 4px 4px 4px rgb(101, 196,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6762, 0.3219, 0.5246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 196, 69) }
```

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

```
.background{ background-color: rgb(101,  
196, 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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