

Converting Colors

$Y_{xy}(42.5116, 0.3166, 0.5448)$

Have a look what the booklet for
Yxy(42.5116, 0.3166, 0.5448)
contains.

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Color

Yxy(42.6620, 0.3166, 0.5453)

Conversions

Conversions Part 1

Format	Color
Hex	56C639
RGB	86, 198, 57
RGB Percent	34%, 78%, 22%
CMY	0.6628, 0.2235, 0.7763
CMYK	0.57, 0.00, 0.71, 0.22
HSL	108°, 55%, 50%
HSV	108°, 71%, 78%
XYZ	24.7695, 42.6620, 10.8044
YIQ	148.4380, -21.4910, -67.5950

Conversions

Conversions Part 2

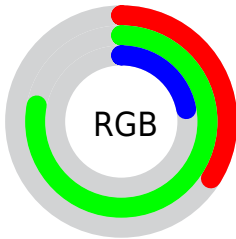
Format	Color
RYB	57, 198, 169
Decimal	5686841
CIELab	71.32, -57.03, 57.97
CIELCh	71, 81.318, 134.532
Yxy	42.6620, 0.3166, 0.5453
Android (android.graphics.Color)	4283876921 (0xFF56C639)
YUV	148.4380, -45.0789, -54.7581
Hunter-Lab	65.3162, -46.6118, 35.9138

Details

The Yxy color **42.6620, 0.3166, 0.5453** 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 **15.4499, 0.2849, 0.1570**, and the grayscale version is **30.0060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8008, 0.3215, 0.5012**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.8368, 0.3138, 0.5689**, and if you desaturate by 10%, it is **43.7322, 0.3184, 0.5162**.

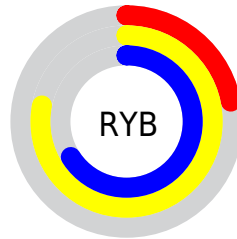
Distribution



Red (34%)

Green (78%)

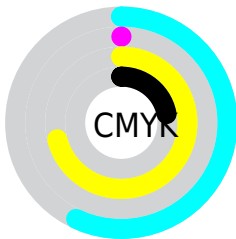
Blue (22%)



Red (22%)

Yellow (78%)

Blue (66%)

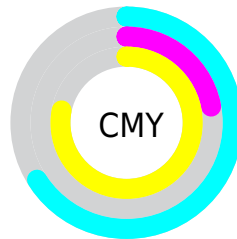


Cyan (57%)

Magenta (0%)

Yellow (71%)

Black (22%)



Cyan (66%)


Magenta (22%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6620, 0.3166, 0.5453 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 42.6620, 0.3166, 0.5453 by changing the saturation by 10% instead.


 42.6620, 0.3166,
0.5453


 42.6620, 0.3166,
0.5453


357.2199, 0.3229,
0.4287

 29.6200, 0.3115,
0.5754


 79.2006, 0.3214,
0.5017


 19.5503, 0.3025,
0.6136


 103.4659, 0.3224,
0.4856


 12.0686, 0.2866,
0.6625


 132.2412, 0.3229,
0.4722

 6.7904, 0.2622,
0.7378

 165.9107, 0.3232,
0.4608

 3.3314, 0.2036,
0.7964

 204.8590, 0.3232,
0.4510

 1.3071, 0.0000,
1.0000

249.4703, 0.3232,

 0.1467, 0.0000,

0.4426

1.0000

300.1292, 0.3231,
0.4352

 0.0000, 0.0000,
0.0000


 42.6620, 0.3166,
0.5453


 42.6620, 0.3166,
0.5453

 41.8368, 0.3138,
0.5689


 43.7322, 0.3184,
0.5162

 41.2308, 0.3102,
0.5854

 45.0601, 0.3192,
0.4838

 40.8549, 0.3070,
0.5945

 46.6634, 0.3191,
0.4502

 48.5571, 0.3182,
0.4172

 50.7548, 0.3168,
0.3860

■ 53.2693, 0.3150,
0.3575

■ 56.1127, 0.3130,
0.3319

■ 59.2964, 0.3109,
0.3091

■ 62.8313, 0.3088,
0.2891

Harmonies

Analogous

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



42.6620, 0.4183, 0.5202



42.6620, 0.3166, 0.5453



42.6620, 0.2190, 0.4641

Triad

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



42.6620, 0.3166, 0.5453



42.6620, 0.1415, 0.1778



42.6620, 0.4966, 0.2955

Complementary

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



42.6620, 0.3166, 0.5453



15.4499, 0.2849, 0.1570

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.



42.6620, 0.3892, 0.2322



42.6620, 0.3166, 0.5453



42.6620, 0.1869, 0.1678

Square

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



42.6620, 0.3166, 0.5453



42.6620, 0.1299, 0.2258



42.6620, 0.2716, 0.1871



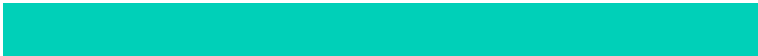
42.6620, 0.5367, 0.3674

Rectangle

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



42.6620, 0.3166, 0.5453



42.6620, 0.1705, 0.3713



42.6620, 0.2716, 0.1871



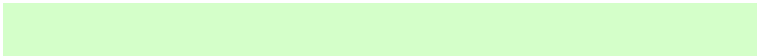
42.6620, 0.4660, 0.2731

Sweetspot

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



42.6638, 0.3166, 0.5453



89.8213, 0.3168, 0.3864



40.1095, 0.4327, 0.4576



18.9805, 0.3172, 0.3949



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.



42.6638, 0.3166, 0.5453



73.4890, 0.3120, 0.5782



42.1243, 0.2851, 0.4995



11.9910, 0.3146, 0.3527



26.5972, 0.3076, 0.5939



1.2910, 0.3220, 0.5825

Inverse Universe

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



15.4499, 0.2849, 0.1570



22.3979, 0.2766, 0.1362



17.4074, 0.3752, 0.2111



10.7025, 0.3106, 0.3060



7.3734, 0.2699, 0.1260



0.3777, 0.2811, 0.1322

Previews

White Background



This preview shows how the Yxy color 42.6620, 0.3166, 0.5453 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 42.6620, 0.3166, 0.5453 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 42.6620, 0.3166, 0.5453

Background



This preview shows how black text looks on a background with the Yxy color 42.6620, 0.3166, 0.5453.



This preview shows how white text looks on a background with the Yxy color 42.6620, 0.3166, 0.5453.

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

42.6620, 0.3166, 0.5453

Protanopia

41.9805, 0.4258, 0.4707

Deuteranopia

41.9389, 0.4452, 0.4357



Tritanopia

42.5129, 0.2518, 0.3072

Trichromacy



Original Color

42.6620, 0.3166, 0.5453



Protanomaly

41.0926, 0.3799, 0.5021



Deuteranomaly

40.2610, 0.3918, 0.4774



Tritanomaly

41.9081, 0.2782, 0.3956

Monochromacy



Original Color

42.6620, 0.3166, 0.5453



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.8702, 0.3177, 0.4145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6620, 0.3166, 0.5453 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(86, 198, 57)` looks like.

```
.text, #text, p{  
    color:rgb(86, 198, 57)  
}
```

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(86, 198, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 198, 57) }
```

Border

The CSS property to change the border of an element to Yxy 42.6620, 0.3166, 0.5453 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(86, 198, 57) }
```

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

```
.border{ border-color:rgb(86, 198, 57) }
```

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

Here you see how a box with a 4 pixel rgb(86, 198, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 198, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 198, 57);  
box-shadow:4px 4px 4px 4px rgb(86, 198,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6620, 0.3166, 0.5453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 198, 57) }
```

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

```
.background{ background-color: rgb(86, 198,  
57) }
```

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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