

Converting Colors

Yxy(44.8738, 0.3029, 0.5414)

Have a look what the booklet for
Yxy(44.8738, 0.3029, 0.5414)
contains.

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Color

Yxy(44.8806, 0.3028, 0.5409)

Conversions

Conversions Part 1

Format	Color
Hex	45CC45
RGB	69, 204, 69
RGB Percent	27%, 80%, 27%
CMY	0.7292, 0.2000, 0.7294
CMYK	0.66, 0.00, 0.66, 0.20
HSL	120°, 57%, 54%
HSV	120°, 66%, 80%
XYZ	25.1245, 44.8806, 12.9688
YIQ	148.2450, -37.1250, -70.6050

Conversions

Conversions Part 2

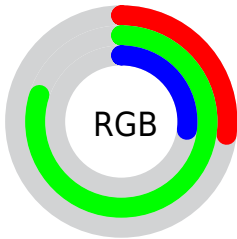
Format	Color
RYB	69, 204, 204
Decimal	4574277
CIELab	72.81, -61.93, 54.72
CIELCh	73, 82.640, 138.533
Yxy	44.8806, 0.3028, 0.5409
Android (android.graphics.Color)	4282764357 (0xFF45CC45)
YUV	148.2450, -39.0678, -69.4979
Hunter-Lab	66.9930, -50.2945, 35.4174

Details

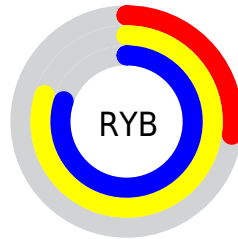
The Yxy color **44.8806, 0.3028, 0.5409** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **21.4454, 0.3196, 0.1808**, and the grayscale version is **29.9079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9366, 0.3099, 0.4928**, and **21.1842, 0.2997, 0.5989** is the 20% darker color. If you saturate the color by 10%, you get **44.0485, 0.3015, 0.5679**, and if you desaturate by 10%, it is **46.0597, 0.3043, 0.5083**.

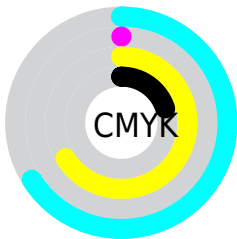
Distribution



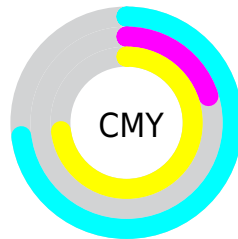
- Red (27%)
- Green (80%)
- Blue (27%)



- Red (27%)
- Yellow (80%)
- Blue (80%)



- Cyan (66%)
- Magenta (0%)
- Yellow (66%)
- Black (20%)




- Cyan (73%)
- Magenta (20%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8806, 0.3028, 0.5409 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 44.8806, 0.3028, 0.5409 by changing the saturation by 10% instead.

 44.8806, 0.3028,
0.5409

 44.8806, 0.3028,
0.5409


366.2898, 0.3152,
0.4264

 31.3634, 0.2967,
0.5709


 82.5412, 0.3094,
0.4979


 20.8757, 0.2869,
0.6094


 107.4534, 0.3113,
0.4821

 13.0332, 0.2705,
0.6594


 136.9327, 0.3126,
0.4689

 7.4514, 0.2472,
0.7400

 171.3635, 0.3135,
0.4578

 3.7460, 0.1919,
0.8081

 211.1302, 0.3142,
0.4482

 1.5325, 0.0000,
1.0000

256.6173, 0.3146,

 0.3114, 0.0000,

0.4400

1.0000

308.2090, 0.3150,
0.4328

■ 0.0000, 0.0000,
0.0000

■ 44.8806, 0.3028,
0.5409

■ 44.8806, 0.3028,
0.5409

■ 44.0485, 0.3015,
0.5679

■ 46.0597, 0.3043,
0.5083

■ 43.5209, 0.3006,
0.5869

■ 47.6118, 0.3060,
0.4729

■ 43.2533, 0.3001,
0.5973

■ 49.5669, 0.3077,
0.4372


■ 43.1858, 0.3000,
0.6000

■ 51.9504, 0.3092,
0.4033

■ 54.7856, 0.3107,
0.3721

 58.0941, 0.3120,
0.3444

 61.8962, 0.3131,
0.3201

 66.2109, 0.3141,
0.2991

 71.0563, 0.3149,
0.2811

Harmonies

Analogous

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



44.8806, 0.4053, 0.5278



44.8806, 0.3028, 0.5409



44.8806, 0.2079, 0.4463

Triad

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



44.8806, 0.3028, 0.5409



44.8806, 0.1456, 0.1747



44.8806, 0.5065, 0.3048

Complementary

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



44.8806, 0.3028, 0.5409



21.4454, 0.3196, 0.1808

Split Complementary

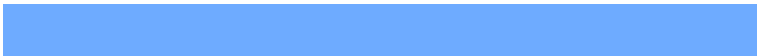
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.8806, 0.4055, 0.2399



44.8806, 0.3028, 0.5409



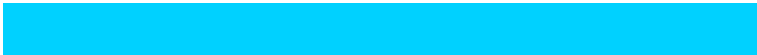
44.8806, 0.1959, 0.1689

Square

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



44.8806, 0.3028, 0.5409



44.8806, 0.1297, 0.2167



44.8806, 0.2859, 0.1918



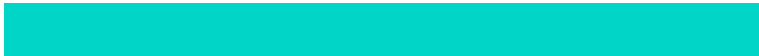
44.8806, 0.5357, 0.3775

Rectangle

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



44.8806, 0.3028, 0.5409



44.8806, 0.1632, 0.3528



44.8806, 0.2859, 0.1918



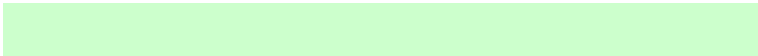
44.8806, 0.4790, 0.2820

Sweetspot

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



44.8825, 0.3028, 0.5409



88.7201, 0.3101, 0.3845



55.3904, 0.4046, 0.4764



18.7060, 0.3097, 0.3934



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.



44.8825, 0.3028, 0.5409



72.5564, 0.3011, 0.5762



46.1789, 0.2712, 0.4414



12.5372, 0.3116, 0.3529



27.1821, 0.3000, 0.6000



1.4024, 0.3000, 0.6000

Inverse Universe

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



21.4454, 0.3196, 0.1808



31.0603, 0.3204, 0.1643



18.9508, 0.4116, 0.2463



11.4035, 0.3138, 0.3062



10.8164, 0.3208, 0.1541



0.5581, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 44.8806, 0.3028, 0.5409 looks on a white background.

Color Contrast Check

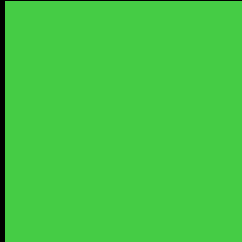
Large Text (above 18pt) WCAG AA × Fail

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 44.8806, 0.3028, 0.5409 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 44.8806, 0.3028, 0.5409

Background



This preview shows how black text looks on a background with the Yxy color 44.8806, 0.3028, 0.5409.



This preview shows how white text looks on a background with the Yxy color 44.8806, 0.3028, 0.5409.

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

44.8806, 0.3028, 0.5409

Protanopia

44.1944, 0.4208, 0.4640

Deuteranopia

44.0152, 0.4372, 0.4291



Tritanopia

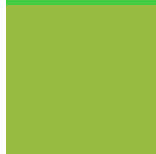
44.6609, 0.2442, 0.3074

Trichromacy



Original Color

44.8806, 0.3028, 0.5409



Protanomaly

42.5016, 0.3681, 0.4969



Deuteranomaly

41.8702, 0.3773, 0.4738



Tritanomaly

44.1043, 0.2671, 0.3919

Monochromacy



Original Color

44.8806, 0.3028, 0.5409



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.2591, 0.3088, 0.4118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8806, 0.3028, 0.5409 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(69, 204, 69)` looks like.

```
.text, #text, p{  
    color:rgb(69, 204, 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(69, 204, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 204, 69) }
```

Border

The CSS property to change the border of an element to Yxy 44.8806, 0.3028, 0.5409 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(69, 204, 69) }
```

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

```
.border{ border-color:rgb(69, 204, 69) }
```

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

Here you see how a box with a 4 pixel rgb(69, 204, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 204, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 204, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 204,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8806, 0.3028, 0.5409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 204, 69) }
```

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

```
.background{ background-color: rgb(69, 204,  
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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