

Converting Colors

Yxy(44.6889, 0.3237, 0.5005)

Have a look what the booklet for
Yxy(44.6889, 0.3237, 0.5005)
contains.

Yxy(44.6889, 0.3237, 0.5005)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.6889, 0.3237, 0.5005)

Conversions

Conversions Part 1

Format	Color
Hex	73C655
RGB	115, 198, 85
RGB Percent	45%, 78%, 33%
CMY	0.5491, 0.2235, 0.6667
CMYK	0.42, 0.00, 0.57, 0.22
HSL	104°, 50%, 55%
HSV	104°, 57%, 78%
XYZ	28.9027, 44.6889, 15.6969
YIQ	160.3010, -13.1950, -52.7390

Conversions

Conversions Part 2

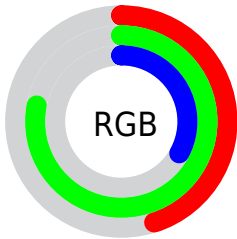
Format	Color
RYB	85, 198, 168
Decimal	7587413
CIELab	72.69, -46.04, 48.04
CIElCh	73, 66.538, 133.783
Yxy	44.6889, 0.3237, 0.5005
Android (android.graphics.Color)	4285777493 (0xFF73C655)
YUV	160.3010, -37.1234, -39.7290
Hunter-Lab	66.8498, -39.8121, 32.8730

Details

The Yxy color **44.6889, 0.3237, 0.5005** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **18.9025, 0.2845, 0.1817**, and the grayscale version is **35.4789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0129, 0.3246, 0.4659**, and **20.6487, 0.3179, 0.5550** is the 20% darker color. If you saturate the color by 10%, you get **43.5094, 0.3227, 0.5306**, and if you desaturate by 10%, it is **46.1159, 0.3235, 0.4681**.

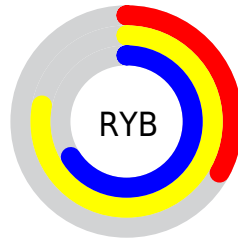
Distribution



Red (45%)

Green (78%)

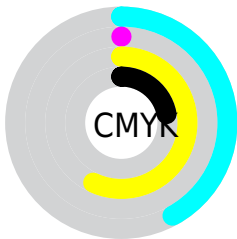
Blue (33%)



Red (33%)

Yellow (78%)

Blue (66%)

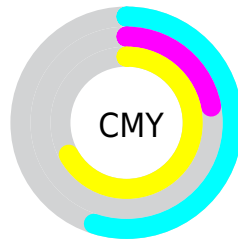


Cyan (42%)

Magenta (0%)

Yellow (57%)

Black (22%)



Cyan (55%)


Magenta (22%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6889, 0.3237, 0.5005 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 44.6889, 0.3237, 0.5005 by changing the saturation by 10% instead.

 44.6889, 0.3237,
0.5005


 44.6889, 0.3237,
0.5005


365.5121, 0.3231,
0.4090

 31.2125, 0.3218,
0.5244


 82.2534, 0.3249,
0.4663


 20.7607, 0.3178,
0.5552


 107.1102, 0.3250,
0.4537


 12.9492, 0.3100,
0.5959

 136.5293, 0.3248,
0.4432

 7.3936, 0.2954,
0.6533

 170.8950, 0.3245,
0.4342

 3.7094, 0.2650,
0.7350

 210.5917, 0.3242,
0.4266

 1.5124, 0.1224,
0.8776

256.0039, 0.3238,

 0.2974, 0.0000,

0.4199

1.0000

307.5159, 0.3235,
0.4141

■ 0.0000, 0.0000,
0.0000

■ 44.6889, 0.3237,
0.5005

■ 44.6889, 0.3237,
0.5005

■ 43.5094, 0.3227,
0.5306

■ 46.1159, 0.3235,
0.4681

■ 42.5569, 0.3203,
0.5562

■ 47.7981, 0.3222,
0.4353

■ 41.8165, 0.3167,
0.5757

■ 49.7499, 0.3202,
0.4035

■ 41.2676, 0.3122,
0.5883

■ 51.9829, 0.3177,
0.3737

■ 41.1353, 0.3110,
0.5912

■ 54.5079, 0.3148,
0.3465

■ 57.3353, 0.3118,
0.3221

■ 60.4749, 0.3088,
0.3005

■ 63.9360, 0.3059,
0.2814

■ 67.1873, 0.3086,
0.2721

Harmonies

Analogous

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



44.6889, 0.4090, 0.4886



44.6889, 0.3237, 0.5005



44.6889, 0.2401, 0.4372

Triad

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



44.6889, 0.3237, 0.5005



44.6889, 0.1663, 0.2032



44.6889, 0.4598, 0.3028

Complementary

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



44.6889, 0.3237, 0.5005



18.9025, 0.2845, 0.1817

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.



44.6889, 0.3734, 0.2471



44.6889, 0.3237, 0.5005



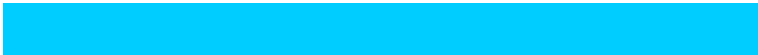
44.6889, 0.2061, 0.1920

Square

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



44.6889, 0.3237, 0.5005



44.6889, 0.1575, 0.2479



44.6889, 0.2781, 0.2080



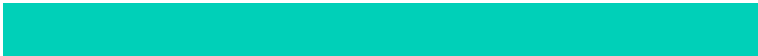
44.6889, 0.4971, 0.3666

Rectangle

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



44.6889, 0.3237, 0.5005



44.6889, 0.1970, 0.3674



44.6889, 0.2781, 0.2080



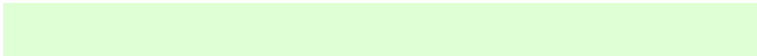
44.6889, 0.4348, 0.2829

Sweetspot

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



44.6908, 0.3237, 0.5005



91.9680, 0.3177, 0.3743



40.6206, 0.4143, 0.4325



19.5039, 0.3183, 0.3801



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.



44.6908, 0.3237, 0.5005



76.6820, 0.3223, 0.5360



43.4783, 0.2903, 0.4704



12.0217, 0.3155, 0.3526



26.7856, 0.3118, 0.5906



1.3048, 0.3279, 0.5778

Inverse Universe

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



18.9025, 0.2845, 0.1817



26.7486, 0.2762, 0.1561



21.4689, 0.3514, 0.2222



10.6696, 0.3096, 0.3059



6.6373, 0.2552, 0.1180



0.3482, 0.2695, 0.1258

Previews

White Background



This preview shows how the Yxy color 44.6889, 0.3237, 0.5005 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 44.6889, 0.3237, 0.5005 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 44.6889, 0.3237, 0.5005

Background



This preview shows how black text looks on a background with the Yxy color 44.6889, 0.3237, 0.5005.



This preview shows how white text looks on a background with the Yxy color 44.6889, 0.3237, 0.5005.

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

44.6889, 0.3237, 0.5005

Protanopia

44.2756, 0.4099, 0.4497

Deuteranopia

43.9180, 0.4258, 0.4176



Tritanopia

44.4858, 0.2638, 0.3080

Trichromacy



Original Color

44.6889, 0.3237, 0.5005

Protanomaly

43.5075, 0.3754, 0.4697

Deuteranomaly

43.0840, 0.3849, 0.4483

Tritanomaly

43.9193, 0.2869, 0.3754

Monochromacy



Original Color

44.6889, 0.3237, 0.5005

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.8949, 0.3194, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6889, 0.3237, 0.5005 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(115, 198, 85)` looks like.

```
.text, #text, p{  
    color:rgb(115, 198, 85)  
}
```

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(115, 198, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 198, 85) }
```

Border

The CSS property to change the border of an element to Yxy 44.6889, 0.3237, 0.5005 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(115, 198, 85) }
```

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

```
.border{ border-color:rgb(115, 198, 85) }
```

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

Here you see how a box with a 4 pixel rgb(115, 198, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 198, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 198, 85);  
box-shadow:4px 4px 4px 4px rgb(115, 198,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6889, 0.3237, 0.5005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 198, 85) }
```

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

```
.background{ background-color: rgb(115,  
198, 85) }
```

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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