

Converting Colors

$Yxy(46.1442, 0.2784, 0.4383)$

Have a look what the booklet for
Yxy(46.1442, 0.2784, 0.4383)
contains.

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Color

Yxy(46.3644, 0.2781, 0.4385)

Conversions

Conversions Part 1

Format	Color
Hex	55CB86
RGB	85, 203, 134
RGB Percent	33%, 80%, 53%
CMY	0.6668, 0.2039, 0.4744
CMYK	0.58, 0.00, 0.34, 0.20
HSL	145°, 53%, 56%
HSV	145°, 58%, 80%
XYZ	29.4047, 46.3644, 29.9650
YIQ	159.8520, -48.1790, -46.4750

Conversions

Conversions Part 2

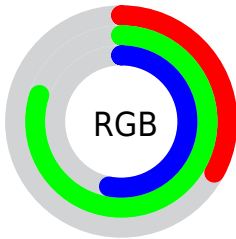
Format	Color
R _Y B	85, 168, 203
Decimal	5622662
CIE Lab	73.78, -48.82, 24.70
CIE LCh	74, 54.717, 153.161
Yxy	46.3644, 0.2781, 0.4385
Android (android.graphics.Color)	4283812742 (0xFF55CB86)
YUV	159.8520, -12.7450, -65.6452
Hunter-Lab	68.0914, -42.0764, 21.5722

Details

The Yxy color **46.3644, 0.2781, 0.4385** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **21.5200, 0.3824, 0.2441**, and the grayscale version is **35.1565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0801, 0.2850, 0.4102**, and **21.8264, 0.2654, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **45.2362, 0.2758, 0.4614**, and if you desaturate by 10%, it is **47.8059, 0.2820, 0.4162**.

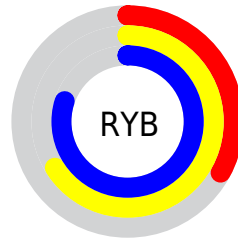
Distribution



Red (33%)

Green (80%)

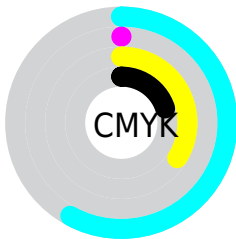
Blue (53%)



Red (33%)

Yellow (66%)

Blue (80%)

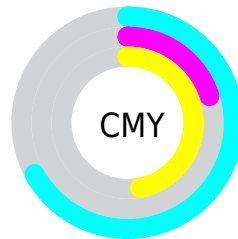


Cyan (58%)

Magenta (0%)

Yellow (34%)

Black (20%)



Cyan (67%)

Magenta (20%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3644, 0.2781, 0.4385 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 46.3644, 0.2781, 0.4385 by changing the saturation by 10% instead.


 46.3644, 0.2781,
0.4385


 46.3644, 0.2781,
0.4385


372.2717, 0.2972,
0.3801

 32.5335, 0.2727,
0.4542


 84.7641, 0.2855,
0.4164


 21.7693, 0.2654,
0.4750


 110.1016, 0.2881,
0.4084

 13.6875, 0.2550,
0.5039


 140.0435, 0.2903,
0.4017

 7.9036, 0.2392,
0.5460

 174.9741, 0.2922,
0.3961

 4.0333, 0.2130,
0.6124

215.2779, 0.2937,
0.3912

 1.6922, 0.1324,
0.8676

261.3391, 0.2950,

 0.4186, 0.0000,

0.3870

1.0000

313.5423, 0.2962,
0.3834

■ 0.0000, 0.0000,
0.0000

■ 46.3644, 0.2781,
0.4385

■ 46.3644, 0.2781,
0.4385

■ 45.2362, 0.2758,
0.4614

■ 47.8059, 0.2820,
0.4162

■ 44.3905, 0.2752,
0.4840

■ 49.5775, 0.2872,
0.3949

■ 43.7997, 0.2766,
0.5057

■ 51.7012, 0.2932,
0.3752

■ 43.4201, 0.2797,
0.5255

■ 54.1956, 0.2999,
0.3572

■ 43.3606, 0.2803,
0.5291

■ 57.0779, 0.3069,
0.3409

■ 60.3643, 0.3140,
0.3264

■ 64.0700, 0.3211,
0.3137

■ 68.2092, 0.3280,
0.3024

■ 70.3128, 0.3252,
0.2915

Harmonies

Analogous

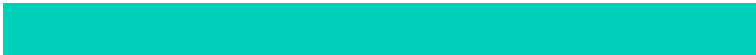
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.3644, 0.3511, 0.4702



46.3644, 0.2781, 0.4385



46.3644, 0.2185, 0.3629

Triad

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



46.3644, 0.2781, 0.4385



46.3644, 0.2084, 0.2142



46.3644, 0.4583, 0.3447

Complementary

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



46.3644, 0.2781, 0.4385



21.5200, 0.3824, 0.2441

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.



46.3644, 0.4107, 0.2908



46.3644, 0.2781, 0.4385



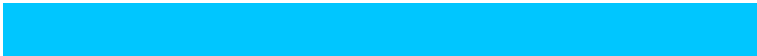
46.3644, 0.2607, 0.2194

Square

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



46.3644, 0.2781, 0.4385



46.3644, 0.1831, 0.2349



46.3644, 0.3348, 0.2466



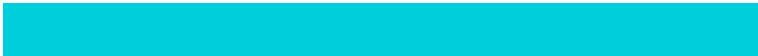
46.3644, 0.4589, 0.4010

Rectangle

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



46.3644, 0.2781, 0.4385



46.3644, 0.1935, 0.3091



46.3644, 0.3348, 0.2466



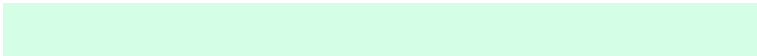
46.3644, 0.4473, 0.3261

Sweetspot

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



46.3663, 0.2781, 0.4385



91.1597, 0.3005, 0.3556



50.4167, 0.3544, 0.4873



19.3163, 0.2991, 0.3591



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.



46.3663, 0.2781, 0.4385



75.3017, 0.2754, 0.4677



48.4146, 0.2468, 0.3461



12.6130, 0.3060, 0.3429



27.6101, 0.2796, 0.5265



1.4394, 0.2686, 0.4870

Inverse Universe

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



21.5200, 0.3824, 0.2441



29.8261, 0.4057, 0.2319



20.0478, 0.4720, 0.3152



11.3218, 0.3200, 0.3155



8.9403, 0.4591, 0.2303



0.4761, 0.4250, 0.2115

Previews

White Background



This preview shows how the Yxy color 46.3644, 0.2781, 0.4385 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 46.3644, 0.2781, 0.4385 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 46.3644, 0.2781, 0.4385

Background



This preview shows how black text looks on a background with the Yxy color 46.3644, 0.2781, 0.4385.



This preview shows how white text looks on a background with the Yxy color 46.3644, 0.2781, 0.4385.

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

46.3644, 0.2781, 0.4385

Protanopia

45.6999, 0.3731, 0.4015

Deuteranopia

45.6591, 0.3764, 0.3687



Tritanopia

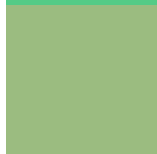
46.3128, 0.2450, 0.3077

Trichromacy



Original Color

46.3644, 0.2781, 0.4385



Protanomaly

44.4935, 0.3307, 0.4157



Deuteranomaly

44.1153, 0.3327, 0.3940



Tritanomaly

45.9626, 0.2564, 0.3512

Monochromacy



Original Color

46.3644, 0.2781, 0.4385



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.2716, 0.2957, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3644, 0.2781, 0.4385 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(85, 203, 134)` looks like.

```
.text, #text, p{  
    color:rgb(85, 203, 134)  
}
```

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(85, 203, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 203, 134) }
```

Border

The CSS property to change the border of an element to Yxy 46.3644, 0.2781, 0.4385 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(85, 203, 134) }
```

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

```
.border{ border-color:rgb(85, 203, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 203, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 203, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 203, 134);  
box-shadow:4px 4px 4px 4px rgb(85, 203,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3644, 0.2781, 0.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 203, 134) }
```

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

```
.background{ background-color: rgb(85, 203,  
134) }
```

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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