

Converting Colors

$Yxy(42.0744, 0.2891, 0.5373)$

Have a look what the booklet for
Yxy(42.0744, 0.2891, 0.5373)
contains.

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Color

Yxy(42.2286, 0.2892, 0.5375)

Conversions

Conversions Part 1

Format	Color
Hex	26C84B
RGB	38, 200, 75
RGB Percent	15%, 78%, 29%
CMY	0.8515, 0.2157, 0.7058
CMYK	0.81, 0.00, 0.62, 0.22
HSL	134°, 68%, 47%
HSV	134°, 81%, 78%
XYZ	22.7210, 42.2286, 13.6153
YIQ	137.3120, -56.4270, -73.2190

Conversions

Conversions Part 2

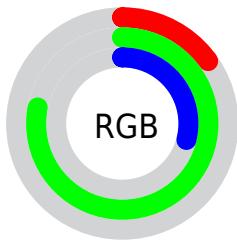
Format	Color
RYB	38, 170, 200
Decimal	2541643
CIELab	71.03, -64.81, 50.04
CIELCh	71, 81.877, 142.330
Yxy	42.2286, 0.2892, 0.5375
Android (android.graphics.Color)	4280731723 (0xFF26C84B)
YUV	137.3120, -30.7198, -87.0966
Hunter-Lab	64.9835, -51.3102, 33.0661

Details

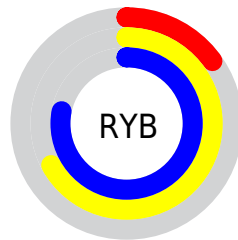
The Yxy color **42.2286, 0.2892, 0.5375** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **16.2977, 0.3726, 0.1952**, and the grayscale version is **25.2634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5892, 0.2982, 0.4915**, and **19.9902, 0.2968, 0.5884** is the 20% darker color. If you saturate the color by 10%, you get **41.7618, 0.2910, 0.5597**, and if you desaturate by 10%, it is **42.9539, 0.2888, 0.5114**.

Distribution



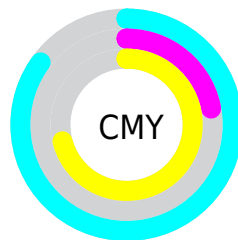
- Red (15%)
- Green (78%)
- Blue (29%)



- Red (15%)
- Yellow (67%)
- Blue (78%)



- Cyan (81%)
- Magenta (0%)
- Yellow (62%)
- Black (22%)





- Cyan (85%)
- Magenta (22%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2286, 0.2892, 0.5375 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 42.2286, 0.2892, 0.5375 by changing the saturation by 10% instead.


 42.2286, 0.2892,
0.5375


 42.2286, 0.2892,
0.5375

355.4297, 0.3080,
0.4229


 29.2803, 0.2817,
0.5685


 78.5455, 0.2980,
0.4938


 19.2930, 0.2701,
0.6090


 102.6829, 0.3007,
0.4780

 11.8822, 0.2516,
0.6629


 131.3188, 0.3027,
0.4648

 6.6635, 0.2241,
0.7488

 164.8376, 0.3043,
0.4537

 3.2526, 0.1624,
0.8376

 203.6237, 0.3055,
0.4443

 1.2650, 0.0000,
1.0000

248.0615, 0.3065,

 0.1138, 0.0000,

0.4362

1.0000

298.5354, 0.3073,
0.4291

■ 0.0000, 0.0000,
0.0000

■ 42.2286, 0.2892,
0.5375

■ 42.2286, 0.2892,
0.5375

■ 41.7618, 0.2910,
0.5597

■ 42.9539, 0.2888,
0.5114

■ 41.5082, 0.2932,
0.5755

■ 43.9645, 0.2898,
0.4829

■ 45.2895, 0.2920,
0.4537

■ 46.9528, 0.2952,
0.4251

■ 48.9760, 0.2990,
0.3980

■ 51.3790, 0.3033,
0.3732

■ 54.1800, 0.3078,
0.3508

■ 57.3962, 0.3122,
0.3310

■ 61.0436, 0.3166,
0.3135

Harmonies

Analogous

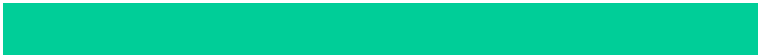
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2286, 0.3930, 0.5361



42.2286, 0.2892, 0.5375



42.2286, 0.1967, 0.4301

Triad

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



42.2286, 0.2892, 0.5375



42.2286, 0.1486, 0.1709



42.2286, 0.5169, 0.3132

Complementary

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



42.2286, 0.2892, 0.5375



16.2977, 0.3726, 0.1952

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.



42.2286, 0.4218, 0.2466



42.2286, 0.2892, 0.5375



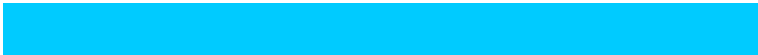
42.2286, 0.2040, 0.1690

Square

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



42.2286, 0.2892, 0.5375



42.2286, 0.1285, 0.2077



42.2286, 0.2997, 0.1955



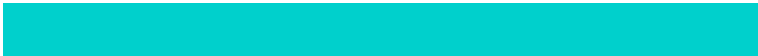
42.2286, 0.5356, 0.3871

Rectangle

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



42.2286, 0.2892, 0.5375



42.2286, 0.1554, 0.3358



42.2286, 0.2997, 0.1955



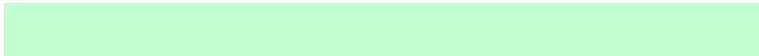
42.2286, 0.4922, 0.2900

Sweetspot

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



42.2303, 0.2892, 0.5375



87.5084, 0.3019, 0.3811



49.4377, 0.3827, 0.5183



18.4091, 0.3003, 0.3901



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.



42.2303, 0.2892, 0.5375



71.9434, 0.2930, 0.5729



44.0573, 0.2503, 0.4041



11.9270, 0.3085, 0.3473



26.4016, 0.2926, 0.5734



1.2616, 0.2811, 0.5320

Inverse Universe

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



16.2977, 0.3726, 0.1952



25.5177, 0.3879, 0.1920



14.2959, 0.5207, 0.2852



10.7734, 0.3172, 0.3114



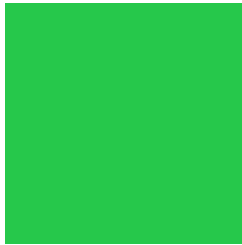
9.3088, 0.3882, 0.1912



0.4512, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 42.2286, 0.2892, 0.5375 looks on a white background.

Color Contrast Check

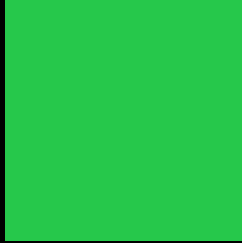
Large Text (above 18pt) WCAG AA × Fail

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 42.2286, 0.2892, 0.5375 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 42.2286, 0.2892, 0.5375

Background



This preview shows how black text looks on a background with the Yxy color 42.2286, 0.2892, 0.5375.



This preview shows how white text looks on a background with the Yxy color 42.2286, 0.2892, 0.5375.

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

42.2286, 0.2892, 0.5375

Protanopia

41.4989, 0.4164, 0.4584

Deuteranopia

41.2199, 0.4302, 0.4212



Tritanopia

41.8787, 0.2367, 0.3052

Trichromacy



Original Color

42.2286, 0.2892, 0.5375



Protanomaly

39.5434, 0.3538, 0.4963



Deuteranomaly

38.4430, 0.3618, 0.4693



Tritanomaly

41.3648, 0.2560, 0.3878

Monochromacy



Original Color

42.2286, 0.2892, 0.5375



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.1232, 0.2974, 0.4129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2286, 0.2892, 0.5375 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(38, 200, 75)` looks like.

```
.text, #text, p{  
    color:rgb(38, 200, 75)  
}
```

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(38, 200, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 200, 75) }
```

Border

The CSS property to change the border of an element to Yxy 42.2286, 0.2892, 0.5375 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(38, 200, 75) }
```

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

```
.border{ border-color:rgb(38, 200, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 200, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 200, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 200, 75);  
box-shadow:4px 4px 4px 4px rgb(38, 200,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2286, 0.2892, 0.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 200, 75) }
```

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

```
.background{ background-color: rgb(38, 200,  
75) }
```

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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