

Converting Colors

Yxy(49.6981, 0.2984, 0.5104)

Have a look what the booklet for
Yxy(49.6981, 0.2984, 0.5104)
contains.

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Color

Yxy(49.6890, 0.2982, 0.5102)

Conversions

Conversions Part 1

Format	Color
Hex	52D45E
RGB	82, 212, 94
RGB Percent	32%, 83%, 37%
CMY	0.6786, 0.1686, 0.6312
CMYK	0.61, 0.00, 0.56, 0.17
HSL	126°, 60%, 58%
HSV	126°, 61%, 83%
XYZ	29.0421, 49.6890, 18.6602
YIQ	159.6780, -39.6020, -64.2580

Conversions

Conversions Part 2

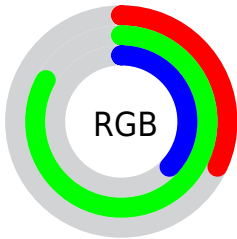
Format	Color
R _Y B	82, 201, 212
Decimal	5428318
CIE Lab	75.88, -59.26, 47.32
CIE LCh	76, 75.831, 141.391
Yxy	49.6890, 0.2982, 0.5102
Android (android.graphics.Color)	4283618398 (0xFF52D45E)
YUV	159.6780, -32.3793, -68.1236
Hunter-Lab	70.4904, -49.8162, 33.6481

Details

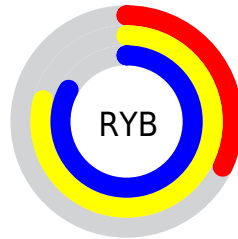
The Yxy color **49.6890, 0.2982, 0.5102** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **24.1917, 0.3329, 0.1985**, and the grayscale version is **35.1606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4662, 0.3044, 0.4620**, and **23.9441, 0.2901, 0.5645** is the 20% darker color. If you saturate the color by 10%, you get **48.5801, 0.2972, 0.5404**, and if you desaturate by 10%, it is **51.1815, 0.2999, 0.4773**.

Distribution



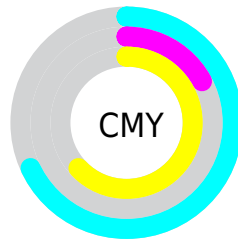
- Red (32%)
- Green (83%)
- Blue (37%)



- Red (32%)
- Yellow (79%)
- Blue (83%)



- Cyan (61%)
- Magenta (0%)
- Yellow (56%)
- Black (17%)





- Cyan (68%)
- Magenta (17%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6890, 0.2982, 0.5102 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 49.6890, 0.2982, 0.5102 by changing the saturation by 10% instead.


 49.6890, 0.2982,
0.5102


 49.6890, 0.2982,
0.5102


385.4485, 0.3106,
0.4137


 35.1663, 0.2932,
0.5355


 89.7139, 0.3041,
0.4741


 23.7910, 0.2857,
0.5682


 115.9850, 0.3058,
0.4608

 15.1787, 0.2736,
0.6117


 146.9409, 0.3072,
0.4497

 8.9449, 0.2531,
0.6706

 182.9662, 0.3082,
0.4403

 4.7053, 0.2237,
0.7763

224.4452, 0.3090,
0.4322

 2.0754, 0.0975,
0.9025

271.7624, 0.3097,

 0.6507, 0.0000,

0.4252

1.0000

325.3020, 0.3102,
0.4191

■ 0.0000, 0.0000,
0.0000

■ 49.6890, 0.2982,
0.5102

■ 49.6890, 0.2982,
0.5102

■ 48.5801, 0.2972,
0.5404

■ 51.1815, 0.2999,
0.4773

■ 47.8140, 0.2971,
0.5657

■ 53.0817, 0.3020,
0.4440

■ 47.3519, 0.2977,
0.5843

■ 55.4190, 0.3045,
0.4120

■ 47.1398, 0.2984,
0.5944

■ 58.2182, 0.3072,
0.3823

■ 61.5024, 0.3098,
0.3556

■ 65.2930, 0.3124,
0.3319

■ 69.6103, 0.3148,
0.3113

■ 74.4734, 0.3170,
0.2935

■ 75.5703, 0.3147,
0.2871

Harmonies

Analogous

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



49.6890, 0.3922, 0.5127



49.6890, 0.2982, 0.5102



49.6890, 0.2130, 0.4206

Triad

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



49.6890, 0.2982, 0.5102



49.6890, 0.1627, 0.1868



49.6890, 0.4909, 0.3157

Complementary

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



49.6890, 0.2982, 0.5102



24.1917, 0.3329, 0.1985

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.



49.6890, 0.4059, 0.2539



49.6890, 0.2982, 0.5102



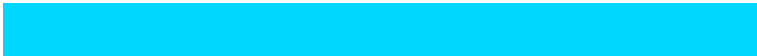
49.6890, 0.2134, 0.1834

Square

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



49.6890, 0.2982, 0.5102



49.6890, 0.1450, 0.2235



49.6890, 0.2990, 0.2071



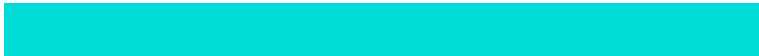
49.6890, 0.5128, 0.3845

Rectangle

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



49.6890, 0.2982, 0.5102



49.6890, 0.1734, 0.3405



49.6890, 0.2990, 0.2071



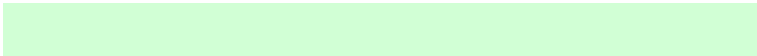
49.6890, 0.4683, 0.2941

Sweetspot

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



49.6911, 0.2982, 0.5102



89.9127, 0.3080, 0.3736



60.1397, 0.3895, 0.4761



18.9468, 0.3072, 0.3817



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.



49.6911, 0.2982, 0.5102



73.3264, 0.2971, 0.5498



51.3444, 0.2655, 0.4109



13.9145, 0.3103, 0.3508



29.1063, 0.2981, 0.5932



1.7621, 0.2928, 0.5741

Inverse Universe

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



24.1917, 0.3329, 0.1985



31.3325, 0.3379, 0.1808



21.8072, 0.4214, 0.2654



12.6119, 0.3152, 0.3081



11.0064, 0.3456, 0.1678



0.6698, 0.3409, 0.1651

Previews

White Background



This preview shows how the Yxy color 49.6890, 0.2982, 0.5102 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 49.6890, 0.2982, 0.5102 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 49.6890, 0.2982, 0.5102

Background



This preview shows how black text looks on a background with the Yxy color 49.6890, 0.2982, 0.5102.



This preview shows how white text looks on a background with the Yxy color 49.6890, 0.2982, 0.5102.

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

49.6890, 0.2982, 0.5102

Protanopia

48.9115, 0.4082, 0.4467

Deuteranopia

48.5923, 0.4208, 0.4128



Tritanopia

49.2639, 0.2461, 0.3070

Trichromacy



Original Color

49.6890, 0.2982, 0.5102



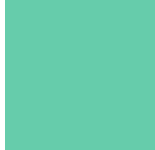
Protanomaly

47.3285, 0.3600, 0.4731



Deuteranomaly

46.7457, 0.3671, 0.4496



Tritanomaly

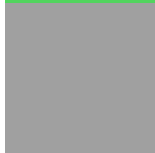
48.9508, 0.2657, 0.3779

Monochromacy



Original Color

49.6890, 0.2982, 0.5102



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.9233, 0.3062, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6890, 0.2982, 0.5102 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(82, 212, 94)` looks like.

```
.text, #text, p{  
    color:rgb(82, 212, 94)  
}
```

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(82, 212, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 212, 94) }
```

Border

The CSS property to change the border of an element to Yxy 49.6890, 0.2982, 0.5102 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(82, 212, 94) }
```

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

```
.border{ border-color:rgb(82, 212, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 212, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 212, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 212, 94);  
box-shadow:4px 4px 4px 4px rgb(82, 212,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6890, 0.2982, 0.5102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 212, 94) }
```

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

```
.background{ background-color: rgb(82, 212,  
94) }
```

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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