

Converting Colors

$Y_{xy}(49.7222, 0.2952, 0.5179)$

Have a look what the booklet for
Yxy(49.7222, 0.2952, 0.5179)
contains.

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Color

Yxy(49.7215, 0.2951, 0.5175)

Conversions

Conversions Part 1

Format	Color
Hex	48D55B
RGB	72, 213, 91
RGB Percent	28%, 84%, 36%
CMY	0.7178, 0.1647, 0.6430
CMYK	0.66, 0.00, 0.57, 0.16
HSL	128°, 63%, 56%
HSV	128°, 66%, 84%
XYZ	28.3533, 49.7215, 18.0054
YIQ	156.9330, -44.8740, -67.8340

Conversions

Conversions Part 2

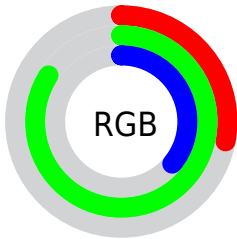
Format	Color
RYB	72, 196, 213
Decimal	4773211
CIELab	75.90, -62.03, 48.67
CIElCh	76, 78.840, 141.881
Yxy	49.7215, 0.2951, 0.5175
Android (android.graphics.Color)	4282963291 (0xFF48D55B)
YUV	156.9330, -32.5050, -74.4862
Hunter-Lab	70.5135, -51.6242, 34.2199

Details

The Yxy color **49.7215, 0.2951, 0.5175** 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 **22.6682, 0.3420, 0.1963**, and the grayscale version is **33.8458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7679, 0.3021, 0.4671**, and **24.2539, 0.2918, 0.5704** is the 20% darker color. If you saturate the color by 10%, you get **48.7625, 0.2947, 0.5457**, and if you desaturate by 10%, it is **51.0461, 0.2965, 0.4863**.

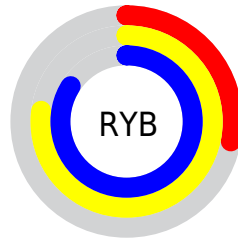
Distribution



Red (28%)

Green (84%)

Blue (36%)



Red (28%)

Yellow (77%)

Blue (84%)

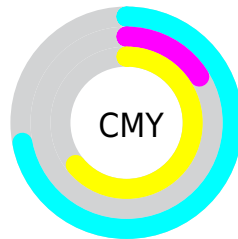


Cyan (66%)

Magenta (0%)

Yellow (57%)

Black (16%)



Cyan (72%)


Magenta (16%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7215, 0.2951, 0.5175 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 49.7215, 0.2951, 0.5175 by changing the saturation by 10% instead.


 49.7215, 0.2951,
0.5175


 49.7215, 0.2951,
0.5175


385.5758, 0.3094,
0.4169

 35.1922, 0.2895,
0.5438


 89.7621, 0.3018,
0.4798

 23.8109, 0.2811,
0.5779


 116.0422, 0.3038,
0.4660

 15.1934, 0.2678,
0.6231


 147.0079, 0.3054,
0.4544

 8.9553, 0.2454,
0.6840

 183.0437, 0.3066,
0.4446

 4.7120, 0.2120,
0.7880

224.5340, 0.3075,
0.4362

 2.0793, 0.0709,
0.9291

271.8632, 0.3083,

 0.6529, 0.0000,

0.4289

1.0000

325.4157, 0.3089,
0.4225

■ 0.0000, 0.0000,
0.0000

■ 49.7215, 0.2951,
0.5175

■ 49.7215, 0.2951,
0.5175

■ 48.7625, 0.2947,
0.5457

■ 51.0461, 0.2965,
0.4863

■ 48.1263, 0.2953,
0.5689

■ 52.7616, 0.2986,
0.4541


■ 47.7697, 0.2968,
0.5856


■ 54.8984, 0.3013,
0.4227


■ 47.6795, 0.2973,
0.5902


■ 57.4818, 0.3044,
0.3932

■ 60.5354, 0.3076,
0.3664

 64.0810, 0.3108,
0.3424

 68.1391, 0.3139,
0.3214

 72.7289, 0.3168,
0.3031

 76.0718, 0.3146,
0.2881

Harmonies

Analogous

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



49.7215, 0.3920, 0.5197



49.7215, 0.2951, 0.5175



49.7215, 0.2079, 0.4225

Triad

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



49.7215, 0.2951, 0.5175



49.7215, 0.1588, 0.1820



49.7215, 0.4987, 0.3156

Complementary

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



49.7215, 0.2951, 0.5175



22.6682, 0.3420, 0.1963

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.



49.7215, 0.4112, 0.2522



49.7215, 0.2951, 0.5175



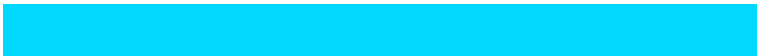
49.7215, 0.2112, 0.1793

Square

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



49.7215, 0.2951, 0.5175



49.7215, 0.1402, 0.2186



49.7215, 0.3000, 0.2040



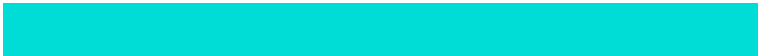
49.7215, 0.5193, 0.3860

Rectangle

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



49.7215, 0.2951, 0.5175



49.7215, 0.1679, 0.3384



49.7215, 0.3000, 0.2040



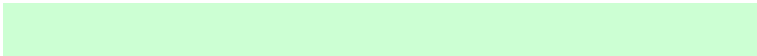
49.7215, 0.4756, 0.2934

Sweetspot

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



49.7236, 0.2951, 0.5175



89.0553, 0.3063, 0.3767



59.5549, 0.3876, 0.4884



18.7844, 0.3054, 0.3844



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.



49.7236, 0.2951, 0.5175



72.8828, 0.2948, 0.5547



51.5512, 0.2602, 0.4074



13.9230, 0.3098, 0.3498



29.1314, 0.2969, 0.5887



1.7662, 0.2898, 0.5631

Inverse Universe

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



22.6682, 0.3420, 0.1963



29.4449, 0.3491, 0.1819



20.2230, 0.4468, 0.2707



12.6025, 0.3158, 0.3091



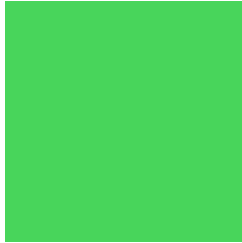
10.7713, 0.3581, 0.1746



0.6579, 0.3507, 0.1706

Previews

White Background



This preview shows how the Yxy color 49.7215, 0.2951, 0.5175 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 49.7215, 0.2951, 0.5175 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 49.7215, 0.2951, 0.5175

Background



This preview shows how black text looks on a background with the Yxy color 49.7215, 0.2951, 0.5175.



This preview shows how white text looks on a background with the Yxy color 49.7215, 0.2951, 0.5175.

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

49.7215, 0.2951, 0.5175

Protanopia

48.8642, 0.4100, 0.4495

Deuteranopia

48.7148, 0.4232, 0.4144



Tritanopia

49.3922, 0.2430, 0.3069

Trichromacy



Original Color

49.7215, 0.2951, 0.5175



Protanomaly

47.3198, 0.3578, 0.4793



Deuteranomaly

46.3479, 0.3663, 0.4544



Tritanomaly

48.9826, 0.2620, 0.3798

Monochromacy



Original Color

49.7215, 0.2951, 0.5175



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.5734, 0.3036, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7215, 0.2951, 0.5175 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(72, 213, 91)` looks like.

```
.text, #text, p{  
    color:rgb(72, 213, 91)  
}
```

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(72, 213, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 213, 91) }
```

Border

The CSS property to change the border of an element to Yxy 49.7215, 0.2951, 0.5175 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(72, 213, 91) }
```

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

```
.border{ border-color:rgb(72, 213, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 213, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 213, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 213, 91);  
box-shadow:4px 4px 4px 4px rgb(72, 213,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7215, 0.2951, 0.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 213, 91) }
```

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

```
.background{ background-color: rgb(72, 213,  
91) }
```

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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