

Converting Colors

Yxy(49.6730, 0.3121, 0.5702)

Have a look what the booklet for
Yxy(49.6730, 0.3121, 0.5702)
contains.

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Color

Yxy(49.6697, 0.3122, 0.5702)

Conversions

Conversions Part 1

Format	Color
Hex	49D629
RGB	73, 214, 41
RGB Percent	29%, 84%, 16%
CMY	0.7136, 0.1608, 0.8395
CMYK	0.66, 0.00, 0.81, 0.16
HSL	109°, 68%, 50%
HSV	109°, 81%, 84%
XYZ	27.1955, 49.6697, 10.2440
YIQ	152.1190, -28.5030, -83.6950

Conversions

Conversions Part 2

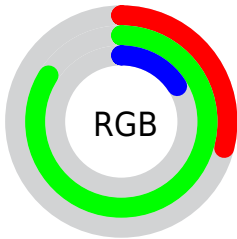
Format	Color
RYB	41, 214, 182
Decimal	4838953
CIELab	75.87, -66.50, 67.43
CIELCh	76, 94.702, 134.603
Yxy	49.6697, 0.3122, 0.5702
Android (android.graphics.Color)	4283029033 (0xFF49D629)
YUV	152.1190, -54.7817, -69.3874
Hunter-Lab	70.4767, -54.4548, 40.7157

Details

The Yxy color **49.6697, 0.3122, 0.5702** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **16.3672, 0.2833, 0.1440**, and the grayscale version is **31.7060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9683, 0.3215, 0.5136**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.9726, 0.3088, 0.5866**, and if you desaturate by 10%, it is **50.6428, 0.3150, 0.5465**.

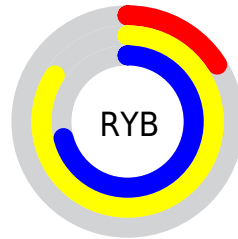
Distribution



Red (29%)

Green (84%)

Blue (16%)



Red (16%)

Yellow (84%)

Blue (71%)

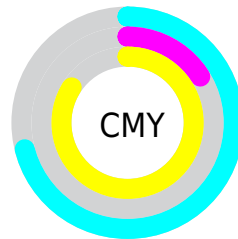


Cyan (66%)

Magenta (0%)

Yellow (81%)

Black (16%)



Cyan (71%)


Magenta (16%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6697, 0.3122, 0.5702 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 49.6697, 0.3122, 0.5702 by changing the saturation by 10% instead.

 49.6697, 0.3122,
0.5702


 49.6697, 0.3122,
0.5702


385.3729, 0.3230,
0.4434

 35.1510, 0.3055,
0.6013


 89.6853, 0.3191,
0.5240


 23.7792, 0.2944,
0.6396


 115.9510, 0.3208,
0.5065


 15.1699, 0.2761,
0.6870


 146.9012, 0.3218,
0.4918

 8.9387, 0.2479,
0.7521

 182.9202, 0.3225,
0.4792

 4.7012, 0.1931,
0.8069

 224.3925, 0.3228,
0.4684

 2.0731, 0.0218,
0.9782

 271.7024, 0.3230,

 0.6494, 0.0000,

0.4590


1.0000


325.2344, 0.3231,
0.4507


 0.0000, 0.0000,
0.0000


 49.6697, 0.3122,
0.5702


 49.6697, 0.3122,
0.5702


 48.9726, 0.3088,
0.5866

 50.6428, 0.3150,
0.5465

 48.5395, 0.3056,
0.5955


 51.9118, 0.3168,
0.5171


 53.5014, 0.3178,
0.4842


 55.4322, 0.3178,
0.4502

 57.7228, 0.3172,
0.4169

 60.3906, 0.3161,
0.3855

 63.4519, 0.3146,
0.3568

 66.9218, 0.3129,
0.3311

 70.8147, 0.3111,
0.3084

Harmonies

Analogous

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



49.6697, 0.4217, 0.5347



49.6697, 0.3122, 0.5702



49.6697, 0.2080, 0.4805

Triad

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



49.6697, 0.3122, 0.5702



49.6697, 0.1291, 0.1654



49.6697, 0.5157, 0.2905

Complementary

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



49.6697, 0.3122, 0.5702



16.3672, 0.2833, 0.1440

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.



49.6697, 0.3967, 0.2240



49.6697, 0.3122, 0.5702



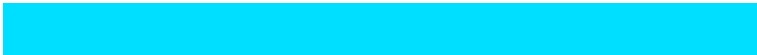
49.6697, 0.1766, 0.1559

Square

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



49.6697, 0.3122, 0.5702



49.6697, 0.1165, 0.2146



49.6697, 0.2671, 0.1764



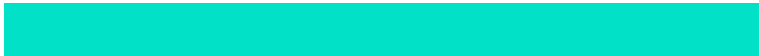
49.6697, 0.5568, 0.3655

Rectangle

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



49.6697, 0.3122, 0.5702



49.6697, 0.1571, 0.3741



49.6697, 0.2671, 0.1764



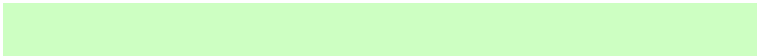
49.6697, 0.4821, 0.2670

Sweetspot

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



49.6718, 0.3122, 0.5702



88.4073, 0.3165, 0.3958



46.8515, 0.4434, 0.4686



18.6180, 0.3169, 0.4071



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.



49.6718, 0.3122, 0.5702



72.3085, 0.3062, 0.5936



49.3517, 0.2843, 0.5211



14.0057, 0.3143, 0.3529



29.3715, 0.3063, 0.5950



1.8052, 0.3174, 0.5862

Inverse Universe

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



16.3672, 0.2833, 0.1440



20.9566, 0.2749, 0.1296



18.4886, 0.3917, 0.2066



12.5108, 0.3108, 0.3058



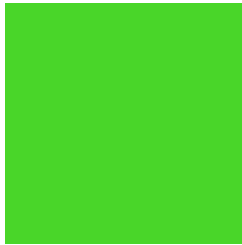
8.4363, 0.2746, 0.1286



0.5397, 0.2831, 0.1333

Previews

White Background



This preview shows how the Yxy color 49.6697, 0.3122, 0.5702 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 49.6697, 0.3122, 0.5702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

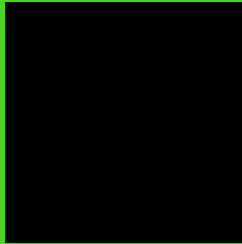
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6697, 0.3122, 0.5702

Background



This preview shows how black text looks on a background with the Yxy color 49.6697, 0.3122, 0.5702.



This preview shows how white text looks on a background with the Yxy color 49.6697, 0.3122, 0.5702.

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

49.6697, 0.3122, 0.5702

Protanopia

48.7829, 0.4350, 0.4809

Deuteranopia

48.5327, 0.4545, 0.4445



Tritanopia

49.1979, 0.2456, 0.3069

Trichromacy



Original Color

49.6697, 0.3122, 0.5702



Protanomaly

47.0808, 0.3815, 0.5198



Deuteranomaly

46.0826, 0.3929, 0.4959



Tritanomaly

48.0494, 0.2746, 0.4085

Monochromacy



Original Color

49.6697, 0.3122, 0.5702



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.0408, 0.3170, 0.4324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6697, 0.3122, 0.5702 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(73, 214, 41)` looks like.

```
.text, #text, p{  
    color:rgb(73, 214, 41)  
}
```

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(73, 214, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 214, 41) }
```

Border

The CSS property to change the border of an element to Yxy 49.6697, 0.3122, 0.5702 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(73, 214, 41) }
```

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

```
.border{ border-color:rgb(73, 214, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 214, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 214, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 214, 41);  
box-shadow:4px 4px 4px 4px rgb(73, 214,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6697, 0.3122, 0.5702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 214, 41) }
```

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

```
.background{ background-color: rgb(73, 214,  
41) }
```

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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