

Converting Colors

Yxy(51.6260, 0.3157, 0.4922)

Have a look what the booklet for
Yxy(51.6260, 0.3157, 0.4922)
contains.

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Color

Yxy(51.7890, 0.3152, 0.4919)

Conversions

Conversions Part 1

Format	Color
Hex	75D464
RGB	117, 212, 100
RGB Percent	46%, 83%, 39%
CMY	0.5410, 0.1686, 0.6077
CMYK	0.45, 0.00, 0.53, 0.17
HSL	111°, 57%, 61%
HSV	111°, 53%, 83%
XYZ	33.1854, 51.7890, 20.3092
YIQ	170.8270, -20.6680, -54.9720

Conversions

Conversions Part 2

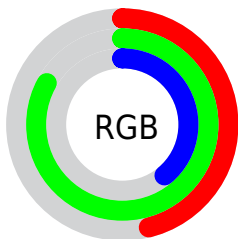
Format	Color
RYB	100, 212, 195
Decimal	7722084
CIELab	77.15, -49.45, 46.34
CIELCh	77, 67.768, 136.860
Yxy	51.7890, 0.3152, 0.4919
Android (android.graphics.Color)	4285912164 (0xFF75D464)
YUV	170.8270, -34.9177, -47.2063
Hunter-Lab	71.9646, -43.6254, 33.6429

Details

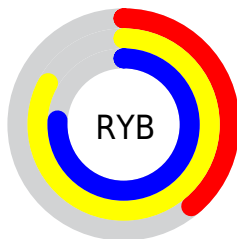
The Yxy color **51.7890, 0.3152, 0.4919** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.4709, 0.3006, 0.1966**, and the grayscale version is **40.8272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8186, 0.3191, 0.4482**, and **25.2269, 0.3085, 0.5428** is the 20% darker color. If you saturate the color by 10%, you get **50.3040, 0.3139, 0.5246**, and if you desaturate by 10%, it is **53.6243, 0.3158, 0.4576**.

Distribution



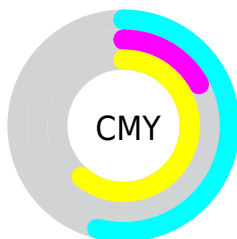
- Red (46%)
- Green (83%)
- Blue (39%)



- Red (39%)
- Yellow (83%)
- Blue (76%)



- Cyan (45%)
- Magenta (0%)
- Yellow (53%)
- Black (17%)





- Cyan (54%)
- Magenta (17%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7890, 0.3152, 0.4919 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 51.7890, 0.3152, 0.4919 by changing the saturation by 10% instead.


 51.7890, 0.3152,
0.4919

 51.7890, 0.3152,
0.4919


393.6215, 0.3183,
0.4066


 36.8369, 0.3128,
0.5138


 92.8200, 0.3175,
0.4603


 25.0812, 0.3087,
0.5419

 119.6677, 0.3180,
0.4486

 16.1376, 0.3016,
0.5789


 151.2494, 0.3183,
0.4388

 9.6216, 0.2883,
0.6290

 187.9494, 0.3184,
0.4304

 5.1488, 0.2720,
0.7233

230.1523, 0.3185,
0.4232

 2.3348, 0.2039,
0.7961

278.2423, 0.3185,

 0.7920, 0.0000,

0.4170

1.0000

332.6039, 0.3184,
0.4115

■ 0.0000, 0.0000,
0.0000

■ 51.7890, 0.3152,
0.4919

■ 51.7890, 0.3152,
0.4919

■ 50.3040, 0.3139,
0.5246

■ 53.6243, 0.3158,
0.4576

■ 49.1406, 0.3119,
0.5533

■ 55.8236, 0.3157,
0.4237

■ 48.2760, 0.3092,
0.5757

■ 58.4076, 0.3151,
0.3916

■ 47.6816, 0.3061,
0.5904

■ 61.3937, 0.3142,
0.3622

■ 47.3962, 0.3040,
0.5968

■ 64.7982, 0.3131,
0.3359

■ 68.6365, 0.3118,
0.3126

■ 72.9231, 0.3105,
0.2922

■ 75.5654, 0.3147,
0.2871

Harmonies

Analogous

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



51.7890, 0.3992, 0.4882



51.7890, 0.3152, 0.4919



51.7890, 0.2351, 0.4239

Triad

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



51.7890, 0.3152, 0.4919



51.7890, 0.1724, 0.2039



51.7890, 0.4618, 0.3100

Complementary

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



51.7890, 0.3152, 0.4919



25.4709, 0.3006, 0.1966

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.



51.7890, 0.3814, 0.2542



51.7890, 0.3152, 0.4919



51.7890, 0.2147, 0.1957

Square

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



51.7890, 0.3152, 0.4919



51.7890, 0.1607, 0.2443



51.7890, 0.2880, 0.2139



51.7890, 0.4922, 0.3731

Rectangle

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



51.7890, 0.3152, 0.4919



51.7890, 0.1951, 0.3559



51.7890, 0.2880, 0.2139



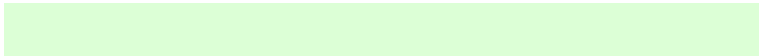
51.7890, 0.4391, 0.2903

Sweetspot

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



51.7912, 0.3152, 0.4919



91.6638, 0.3145, 0.3717



53.2053, 0.3997, 0.4376



19.4162, 0.3147, 0.3778



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.



51.7912, 0.3152, 0.4919



76.2404, 0.3138, 0.5272



51.6123, 0.2851, 0.4413



13.9857, 0.3138, 0.3529



29.2885, 0.3046, 0.5963



1.7958, 0.3144, 0.5886

Inverse Universe

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



25.4709, 0.3006, 0.1966



32.2063, 0.2967, 0.1741



26.1979, 0.3617, 0.2404



12.5326, 0.3114, 0.3059



8.9430, 0.2830, 0.1333



0.5659, 0.2899, 0.1371

Previews

White Background



This preview shows how the Yxy color 51.7890, 0.3152, 0.4919 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 51.7890, 0.3152, 0.4919 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 51.7890, 0.3152, 0.4919

Background



This preview shows how black text looks on a background with the Yxy color 51.7890, 0.3152, 0.4919.



This preview shows how white text looks on a background with the Yxy color 51.7890, 0.3152, 0.4919.

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

51.7890, 0.3152, 0.4919

Protanopia

51.3189, 0.4046, 0.4421

Deuteranopia

51.1194, 0.4188, 0.4102



Tritanopia

51.7554, 0.2599, 0.3079

Trichromacy



Original Color

51.7890, 0.3152, 0.4919



Protanomaly

50.4628, 0.3677, 0.4614



Deuteranomaly

49.6663, 0.3773, 0.4395



Tritanomaly

51.0670, 0.2806, 0.3713

Monochromacy



Original Color

51.7890, 0.3152, 0.4919



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.7415, 0.3148, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7890, 0.3152, 0.4919 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(117, 212, 100)` looks like.

```
.text, #text, p{  
    color:rgb(117, 212, 100)  
}
```

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(117, 212, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 212, 100) }
```

Border

The CSS property to change the border of an element to Yxy 51.7890, 0.3152, 0.4919 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(117, 212, 100) }
```

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

```
.border{ border-color:rgb(117, 212, 100) }
```

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

Here you see how a box with a 4 pixel rgb(117, 212, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 212, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 212, 100);  
box-shadow:4px 4px 4px 4px rgb(117, 212,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7890, 0.3152, 0.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 212, 100) }
```

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

```
.background{ background-color: rgb(117,  
212, 100) }
```

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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