

Converting Colors

Yxy(51.1477, 0.3228, 0.5204)

Have a look what the booklet for
Yxy(51.1477, 0.3228, 0.5204)
contains.

Yxy(51.1477, 0.3228, 0.5204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.1477, 0.3228, 0.5204)

Conversions

Conversions Part 1

Format	Color
Hex	71D44E
RGB	113, 212, 78
RGB Percent	44%, 83%, 31%
CMY	0.5570, 0.1686, 0.6940
CMYK	0.47, 0.00, 0.63, 0.17
HSL	104°, 61%, 57%
HSV	104°, 63%, 83%
XYZ	31.7265, 51.1477, 15.4111
YIQ	167.1230, -15.9900, -62.6620

Conversions

Conversions Part 2

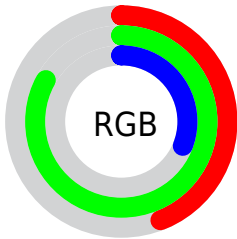
Format	Color
RYB	78, 212, 177
Decimal	7459918
CIELab	76.77, -53.02, 55.72
CIELCh	77, 76.913, 133.581
Yxy	51.1477, 0.3228, 0.5204
Android (android.graphics.Color)	4285649998 (0xFF71D44E)
YUV	167.1230, -43.9376, -47.4659
Hunter-Lab	71.5176, -45.9700, 37.2861

Details

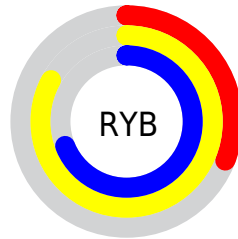
The Yxy color **51.1477, 0.3228, 0.5204** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **19.5591, 0.2808, 0.1677**, and the grayscale version is **38.9296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8439, 0.3275, 0.4725**, and **24.5507, 0.3151, 0.5767** is the 20% darker color. If you saturate the color by 10%, you get **49.9423, 0.3209, 0.5480**, and if you desaturate by 10%, it is **52.6349, 0.3234, 0.4890**.

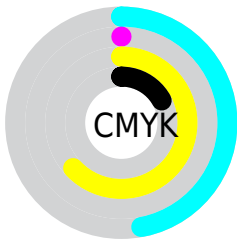
Distribution



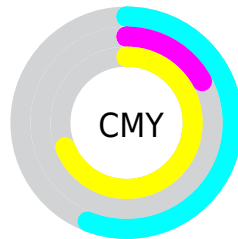
- Red (44%)
- Green (83%)
- Blue (31%)



- Red (31%)
- Yellow (83%)
- Blue (69%)



- Cyan (47%)
- Magenta (0%)
- Yellow (63%)
- Black (17%)




- Cyan (56%)
- Magenta (17%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1477, 0.3228, 0.5204 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 51.1477, 0.3228, 0.5204 by changing the saturation by 10% instead.

 51.1477, 0.3228,
0.5204

 51.1477, 0.3228,
0.5204


391.1374, 0.3242,
0.4204

 36.3262, 0.3200,
0.5455


 91.8731, 0.3251,
0.4837

 24.6862, 0.3148,
0.5772

 118.5457, 0.3254,
0.4699


 15.8434, 0.3053,
0.6179


 149.9374, 0.3255,
0.4584

 9.4134, 0.2885,
0.6731

 186.4328, 0.3253,
0.4485

 5.0118, 0.2557,
0.7443

 228.4160, 0.3251,
0.4400

 2.2542, 0.1725,
0.8275

276.2716, 0.3248,

 0.7493, 0.0000,

0.4326

1.0000


330.3839, 0.3245,
0.4262


 0.0000, 0.0000,
0.0000


 51.1477, 0.3228,
0.5204


 51.1477, 0.3228,
0.5204

 49.9423, 0.3209,
0.5480


 52.6349, 0.3234,
0.4890


 48.9931, 0.3177,
0.5700


 54.4145, 0.3228,
0.4561

 48.2804, 0.3135,
0.5849

 56.5042, 0.3213,
0.4233

 47.9115, 0.3104,
0.5917

 58.9184, 0.3191,
0.3920

 61.6707, 0.3165,
0.3631

■ 64.7738, 0.3137,
0.3368

■ 68.2397, 0.3107,
0.3134

■ 72.0799, 0.3078,
0.2926

■ 75.3824, 0.3140,
0.2870

Harmonies

Analogous

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



51.1477, 0.4154, 0.5020



51.1477, 0.3228, 0.5204



51.1477, 0.2324, 0.4509

Triad

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



51.1477, 0.3228, 0.5204



51.1477, 0.1545, 0.1923



51.1477, 0.4745, 0.2985

Complementary

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



51.1477, 0.3228, 0.5204



19.5591, 0.2808, 0.1677

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.



51.1477, 0.3783, 0.2395



51.1477, 0.3228, 0.5204



51.1477, 0.1964, 0.1810

Square

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



51.1477, 0.3228, 0.5204



51.1477, 0.1451, 0.2394



51.1477, 0.2734, 0.1980



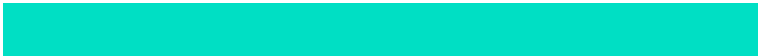
51.1477, 0.5147, 0.3662

Rectangle

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



51.1477, 0.3228, 0.5204



51.1477, 0.1863, 0.3716



51.1477, 0.2734, 0.1980



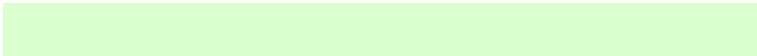
51.1477, 0.4467, 0.2775

Sweetspot

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



51.1499, 0.3228, 0.5204



91.0924, 0.3181, 0.3801



45.7081, 0.4261, 0.4415



19.2468, 0.3189, 0.3887



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.



51.1499, 0.3228, 0.5204



75.2878, 0.3199, 0.5567



49.8215, 0.2892, 0.4889



14.0510, 0.3155, 0.3528



29.6173, 0.3113, 0.5910



1.8266, 0.3240, 0.5809

Inverse Universe

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



19.5591, 0.2808, 0.1677



23.4792, 0.2712, 0.1423



22.7755, 0.3572, 0.2130



12.4621, 0.3097, 0.3057



7.3916, 0.2561, 0.1184



0.4847, 0.2677, 0.1249

Previews

White Background



This preview shows how the Yxy color 51.1477, 0.3228, 0.5204 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 51.1477, 0.3228, 0.5204 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 51.1477, 0.3228, 0.5204

Background



This preview shows how black text looks on a background with the Yxy color 51.1477, 0.3228, 0.5204.



This preview shows how white text looks on a background with the Yxy color 51.1477, 0.3228, 0.5204.

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

51.1477, 0.3228, 0.5204

Protanopia

50.5518, 0.4183, 0.4606

Deuteranopia

50.1006, 0.4355, 0.4265



Tritanopia

51.0203, 0.2597, 0.3090

Trichromacy



Original Color

51.1477, 0.3228, 0.5204



Protanomaly

49.5409, 0.3797, 0.4837



Deuteranomaly

48.7205, 0.3905, 0.4616



Tritanomaly

50.4915, 0.2843, 0.3850

Monochromacy



Original Color

51.1477, 0.3228, 0.5204



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.8193, 0.3194, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1477, 0.3228, 0.5204 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(113, 212, 78)` looks like.

```
.text, #text, p{  
    color:rgb(113, 212, 78)  
}
```

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(113, 212, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 212, 78) }
```

Border

The CSS property to change the border of an element to Yxy 51.1477, 0.3228, 0.5204 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(113, 212, 78) }
```

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

```
.border{ border-color:rgb(113, 212, 78) }
```

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

Here you see how a box with a 4 pixel rgb(113, 212, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 212, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 212, 78);  
box-shadow:4px 4px 4px 4px rgb(113, 212,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1477, 0.3228, 0.5204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 212, 78) }
```

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

```
.background{ background-color: rgb(113,  
212, 78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor