

Converting Colors

Yxy(52.3380, 0.3023, 0.5500)

Have a look what the booklet for
Yxy(52.3380, 0.3023, 0.5500)
contains.

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Color

Yxy(52.3093, 0.3023, 0.5499)

Conversions

Conversions Part 1

Format	Color
Hex	44DB44
RGB	68, 219, 68
RGB Percent	27%, 86%, 27%
CMY	0.7336, 0.1411, 0.7331
CMYK	0.69, 0.00, 0.69, 0.14
HSL	120°, 68%, 56%
HSV	120°, 69%, 86%
XYZ	28.7563, 52.3093, 14.0595
YIQ	156.6370, -41.5250, -78.9730

Conversions

Conversions Part 2

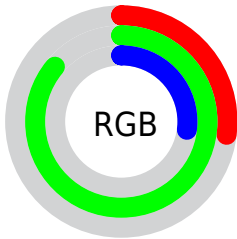
Format	Color
RYB	68, 219, 219
Decimal	4512580
CIELab	77.47, -67.21, 60.06
CIELCh	77, 90.132, 138.214
Yxy	52.3093, 0.3023, 0.5499
Android (android.graphics.Color)	4282702660 (0xFF44DB44)
YUV	156.6370, -43.6980, -77.7346
Hunter-Lab	72.3252, -55.5979, 39.1021

Details

The Yxy color **52.3093, 0.3023, 0.5499** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **24.2939, 0.3200, 0.1765**, and the grayscale version is **33.7538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1010, 0.3109, 0.4923**, and **26.1944, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.4472, 0.3011, 0.5747**, and if you desaturate by 10%, it is **53.5693, 0.3038, 0.5186**.

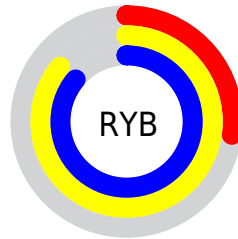
Distribution



Red (27%)

Green (86%)

Blue (27%)



Red (27%)

Yellow (86%)

Blue (86%)

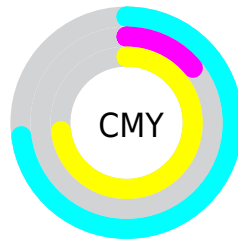


Cyan (69%)

Magenta (0%)

Yellow (69%)

Black (14%)



Cyan (73%)


Magenta (14%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3093, 0.3023, 0.5499 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 52.3093, 0.3023, 0.5499 by changing the saturation by 10% instead.


 52.3093, 0.3023,
0.5499

 52.3093, 0.3023,
0.5499


395.6295, 0.3156,
0.4334


 37.2517, 0.2960,
0.5792


 93.5872, 0.3093,
0.5070


 25.4024, 0.2863,
0.6162


 120.5763, 0.3113,
0.4910

 16.3771, 0.2705,
0.6632


 152.3114, 0.3127,
0.4775

 9.7914, 0.2466,
0.7298

 189.1767, 0.3137,
0.4660

 5.2609, 0.2004,
0.7996

 231.5568, 0.3144,
0.4562

 2.4011, 0.0759,
0.9241

279.8361, 0.3149,

 0.8265, 0.0000,

0.4476

1.0000

334.3988, 0.3153,
0.4401

■ 0.0000, 0.0000,
0.0000

■ 52.3093, 0.3023,
0.5499

■ 52.3093, 0.3023,
0.5499

■ 51.4472, 0.3011,
0.5747

■ 53.5693, 0.3038,
0.5186

■ 50.9300, 0.3004,
0.5911

■ 55.2599, 0.3054,
0.4836


■ 50.6867, 0.3000,
0.5993


■ 57.4179, 0.3071,
0.4477


■ 50.6675, 0.3000,
0.6000


■ 60.0743, 0.3087,
0.4129

■ 63.2576, 0.3103,
0.3808

 66.9940, 0.3116,
0.3519

 71.3080, 0.3128,
0.3266

 76.2227, 0.3139,
0.3046

 79.1471, 0.3144,
0.2940

Harmonies

Analogous

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



52.3093, 0.4074, 0.5328



52.3093, 0.3023, 0.5499



52.3093, 0.2049, 0.4526

Triad

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



52.3093, 0.3023, 0.5499



52.3093, 0.1409, 0.1706



52.3093, 0.5125, 0.3025

Complementary

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



52.3093, 0.3023, 0.5499



24.2939, 0.3200, 0.1765

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.



52.3093, 0.4072, 0.2365



52.3093, 0.3023, 0.5499



52.3093, 0.1917, 0.1646

Square

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



52.3093, 0.3023, 0.5499



52.3093, 0.1250, 0.2135



52.3093, 0.2835, 0.1877



52.3093, 0.5426, 0.3763

Rectangle

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



52.3093, 0.3023, 0.5499



52.3093, 0.1591, 0.3546



52.3093, 0.2835, 0.1877



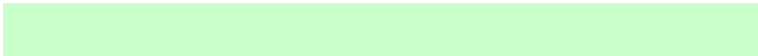
52.3093, 0.4838, 0.2793

Sweetspot

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



52.3115, 0.3023, 0.5499



88.2406, 0.3099, 0.3875



66.1448, 0.4057, 0.4827



18.6129, 0.3095, 0.3964



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.



52.3115, 0.3023, 0.5499



72.2196, 0.3007, 0.5836



53.8907, 0.2693, 0.4437



14.6065, 0.3116, 0.3531



30.0411, 0.3000, 0.5999



1.9463, 0.2999, 0.5997

Inverse Universe

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



24.2939, 0.3200, 0.1765



30.2207, 0.3208, 0.1612



21.1838, 0.4227, 0.2469



13.2747, 0.3138, 0.3060



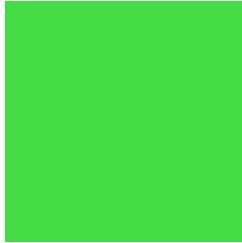
11.9563, 0.3211, 0.1543



0.7747, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 52.3093, 0.3023, 0.5499 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 52.3093, 0.3023, 0.5499 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 52.3093, 0.3023, 0.5499

Background



This preview shows how black text looks on a background with the Yxy color 52.3093, 0.3023, 0.5499.



This preview shows how white text looks on a background with the Yxy color 52.3093, 0.3023, 0.5499.

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

52.3093, 0.3023, 0.5499

Protanopia

51.1502, 0.4246, 0.4683

Deuteranopia

50.8988, 0.4419, 0.4320



Tritanopia

52.1343, 0.2428, 0.3074

Trichromacy



Original Color

52.3093, 0.3023, 0.5499



Protanomaly

49.6058, 0.3693, 0.5049



Deuteranomaly

48.1040, 0.3795, 0.4797



Tritanomaly

51.1895, 0.2665, 0.3959

Monochromacy



Original Color

52.3093, 0.3023, 0.5499



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

38.4832, 0.3086, 0.4170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3093, 0.3023, 0.5499 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(68, 219, 68)` looks like.

```
.text, #text, p{  
    color:rgb(68, 219, 68)  
}
```

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(68, 219, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 219, 68) }
```

Border

The CSS property to change the border of an element to Yxy 52.3093, 0.3023, 0.5499 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(68, 219, 68) }
```

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

```
.border{ border-color:rgb(68, 219, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 219, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 219, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 219, 68);  
box-shadow:4px 4px 4px 4px rgb(68, 219,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3093, 0.3023, 0.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 219, 68) }
```

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

```
.background{ background-color: rgb(68, 219,  
68) }
```

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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