

Converting Colors

Yxy(51.8020, 0.3641, 0.4703)

Have a look what the booklet for
Yxy(51.8020, 0.3641, 0.4703)
contains.

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Color

Yxy(51.8020, 0.3641, 0.4703)

Conversions

Conversions Part 1

Format	Color
Hex	ACCA5D
RGB	172, 202, 93
RGB Percent	67%, 79%, 36%
CMY	0.3256, 0.2078, 0.6353
CMYK	0.15, 0.00, 0.54, 0.21
HSL	77°, 51%, 58%
HSV	77°, 54%, 79%
XYZ	40.1044, 51.8020, 18.2403
YIQ	180.6040, 17.1090, -40.2590

Conversions

Conversions Part 2

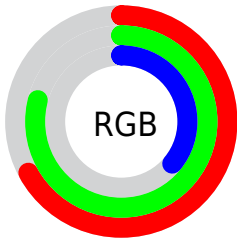
Format	Color
RYB	93, 202, 123
Decimal	11323997
CIELab	77.16, -26.54, 50.37
CIELCh	77, 56.937, 117.785
Yxy	51.8020, 0.3641, 0.4703
Android (android.graphics.Color)	4289514077 (0xFFACCA5D)
YUV	180.6040, -43.1888, -7.5457
Hunter-Lab	71.9736, -26.4918, 35.3556

Details

The Yxy color **51.8020, 0.3641, 0.4703** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **16.3077, 0.2348, 0.1683**, and the grayscale version is **46.2122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2533, 0.3587, 0.4418**, and **25.1149, 0.3713, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **50.8757, 0.3699, 0.4935**, and if you desaturate by 10%, it is **52.8539, 0.3564, 0.4446**.

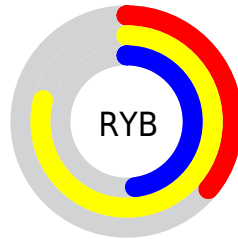
Distribution



Red (67%)

Green (79%)

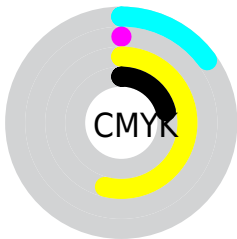
Blue (36%)



Red (36%)

Yellow (79%)

Blue (48%)

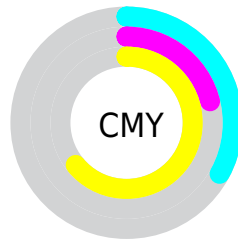


Cyan (15%)

Magenta (0%)

Yellow (54%)

Black (21%)



Cyan (33%)


Magenta (21%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8020, 0.3641, 0.4703 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 51.8020, 0.3641, 0.4703 by changing the saturation by 10% instead.

 51.8020, 0.3641,
0.4703


 51.8020, 0.3641,
0.4703


393.6717, 0.3425,
0.3993

 36.8473, 0.3678,
0.4874

 92.8392, 0.3575,
0.4448


 25.0893, 0.3714,
0.5086


 119.6904, 0.3546,
0.4351

 16.1436, 0.3741,
0.5354


 151.2759, 0.3520,
0.4269

 9.6258, 0.3740,
0.5693

 187.9801, 0.3497,
0.4198

 5.1516, 0.3746,
0.6254

230.1874, 0.3476,
0.4137

 2.3365, 0.3392,
0.6608

278.2822, 0.3458,

 0.7929, 0.1176,

0.4083

0.8824

332.6488, 0.3441,
0.4035

0.0000, 0.0000,
0.0000

51.8020, 0.3641,
0.4703

51.8020, 0.3641,
0.4703

50.8757, 0.3699,
0.4935

52.8539, 0.3564,
0.4446

50.0601, 0.3734,
0.5132

54.0315, 0.3474,
0.4177

49.3483, 0.3743,
0.5284

55.3436, 0.3375,
0.3905

48.7294, 0.3728,
0.5389

56.7962, 0.3271,
0.3639

48.3889, 0.3711,
0.5435

58.3948, 0.3168,
0.3386

■ 60.1448, 0.3066,
0.3149

■ 62.0510, 0.2970,
0.2930

■ 64.1182, 0.2878,
0.2731

■ 65.0084, 0.2915,
0.2733

Harmonies

Analogous

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



51.8020, 0.4276, 0.4426



51.8020, 0.3641, 0.4703



51.8020, 0.2907, 0.4487

Triad

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



51.8020, 0.3641, 0.4703



51.8020, 0.1813, 0.2414



51.8020, 0.3986, 0.2818

Complementary

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



51.8020, 0.3641, 0.4703



16.3077, 0.2348, 0.1683

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.



51.8020, 0.3206, 0.2401



51.8020, 0.3641, 0.4703



51.8020, 0.2015, 0.2156

Square

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



51.8020, 0.3641, 0.4703



51.8020, 0.1893, 0.2978



51.8020, 0.2493, 0.2165



51.8020, 0.4534, 0.3346

Rectangle

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



51.8020, 0.3641, 0.4703



51.8020, 0.2460, 0.4050



51.8020, 0.2493, 0.2165



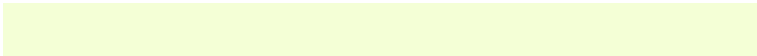
51.8020, 0.3736, 0.2663

Sweetspot

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



51.8043, 0.3641, 0.4703



95.5747, 0.3295, 0.3698



27.2849, 0.4473, 0.3665



20.3452, 0.3316, 0.3753



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.



51.8043, 0.3641, 0.4703



85.8475, 0.3708, 0.4976



46.9193, 0.3212, 0.4921



12.9353, 0.3224, 0.3522



31.1797, 0.3718, 0.5430



1.6451, 0.3814, 0.5353

Inverse Universe

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



16.3077, 0.2348, 0.1683



19.5515, 0.2138, 0.1322



21.3910, 0.2904, 0.1905



10.9911, 0.3025, 0.3053



3.3174, 0.1680, 0.0699



0.2096, 0.1894, 0.0817

Previews

White Background



This preview shows how the Yxy color 51.8020, 0.3641, 0.4703 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 51.8020, 0.3641, 0.4703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

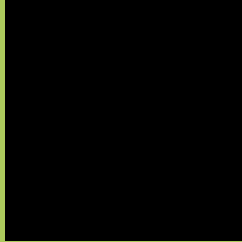
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.8020, 0.3641, 0.4703

Background



This preview shows how black text looks on a background with the Yxy color 51.8020, 0.3641, 0.4703.



This preview shows how white text looks on a background with the Yxy color 51.8020, 0.3641, 0.4703.

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

51.8020, 0.3641, 0.4703

Protanopia

51.3971, 0.4081, 0.4455

Deuteranopia

51.2722, 0.4273, 0.4182



Tritanopia

51.5490, 0.2977, 0.3104

Trichromacy



Original Color

51.8020, 0.3641, 0.4703

Protanomaly

51.1921, 0.3923, 0.4547

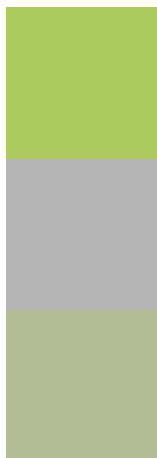
Deuteranomaly

51.1071, 0.4035, 0.4368

Tritanomaly

50.9672, 0.3239, 0.3683

Monochromacy



Original Color

51.8020, 0.3641, 0.4703

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

48.0301, 0.3345, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8020, 0.3641, 0.4703 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(172, 202, 93)` looks like.

```
.text, #text, p{  
    color:rgb(172, 202, 93)  
}
```

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(172, 202, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 202, 93) }
```

Border

The CSS property to change the border of an element to Yxy 51.8020, 0.3641, 0.4703 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(172, 202, 93) }
```

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

```
.border{ border-color:rgb(172, 202, 93) }
```

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

Here you see how a box with a 4 pixel rgb(172, 202, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 202, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 202, 93);  
box-shadow:4px 4px 4px 4px rgb(172, 202,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8020, 0.3641, 0.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 202, 93) }
```

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

```
.background{ background-color: rgb(172,  
202, 93) }
```

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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