

Converting Colors

$Y_{xy}(52.4976, 0.3506, 0.5057)$

Have a look what the booklet for
Yxy(52.4976, 0.3506, 0.5057)
contains.

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Color

Yxy(52.4048, 0.3504, 0.5061)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 94D14B |
| RGB | 148, 209, 75 |
| RGB Percent | 58%, 82%, 29% |
| CMY | 0.4196, 0.1804, 0.7059 |
| CMYK | 0.29, 0.00, 0.64, 0.18 |
| HSL | 87°, 59%, 56% |
| HSV | 87°, 64%, 82% |
| XYZ | 36.2826, 52.4048, 14.8589 |
| YIQ | 175.4850, 6.6580, -54.6060 |

Conversions

Conversions Part 2

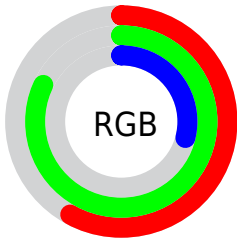
| Format | Color |
|-------------------------------------|--|
| RYB | 75, 209, 136 |
| Decimal | 9752907 |
| CIELab | 77.52, -40.41, 58.28 |
| CIELCh | 78, 70.914, 124.735 |
| Yxy | 52.4048, 0.3504, 0.5061 |
| Android (android.graphics.Color) | 4287942987 (0xFF94D14B) |
| YUV | 175.4850, -49.5391, -24.1043 |
| Hunter-Lab | 72.3912, -37.2199, 38.5040 |

Details

The Yxy color **52.4048, 0.3504, 0.5061** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **14.8711, 0.2395, 0.1473**, and the grayscale version is **43.3946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0841, 0.3509, 0.4655**, and **25.4107, 0.3499, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **51.3152, 0.3510, 0.5292**, and if you desaturate by 10%, it is **53.6659, 0.3477, 0.4795**.

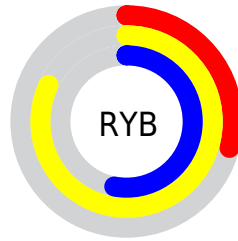
Distribution



Red (58%)

Green (82%)

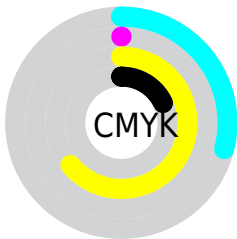
Blue (29%)



Red (29%)

Yellow (82%)

Blue (53%)

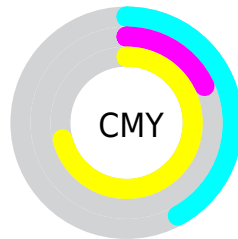


Cyan (29%)

Magenta (0%)

Yellow (64%)

Black (18%)



Cyan (42%)

Magenta (18%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4048, 0.3504, 0.5061 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 52.4048, 0.3504, 0.5061 by changing the saturation by 10% instead.

■ 52.4048, 0.3504,
0.5061

■ 52.4048, 0.3504,
0.5061

395.9974, 0.3379,
0.4161

■ 37.3278, 0.3510,
0.5278

■ 93.7280, 0.3477,
0.4737

■ 25.4614, 0.3501,
0.5546

■ 120.7429, 0.3461,
0.4614

■ 16.4212, 0.3463,
0.5881

■ 152.5061, 0.3445,
0.4509

■ 9.8227, 0.3378,
0.6333

■ 189.4017, 0.3430,
0.4420

■ 5.2815, 0.3146,
0.6854

■ 231.8143, 0.3416,
0.4342

■ 2.4134, 0.2622,
0.7378

280.1281, 0.3403,

■ 0.8328, 0.0000,

0.4274

1.0000

334.7277, 0.3391,
0.4214

■ 0.0000, 0.0000,
0.0000

■ 52.4048, 0.3504,
0.5061

■ 52.4048, 0.3504,
0.5061

■ 51.3152, 0.3510,
0.5292

■ 53.6659, 0.3477,
0.4795

■ 50.3789, 0.3492,
0.5477

■ 55.1017, 0.3431,
0.4508

■ 49.5846, 0.3453,
0.5606

■ 56.7234, 0.3372,
0.4214

■ 49.1709, 0.3423,
0.5664

■ 58.5394, 0.3305,
0.3925

■ 60.5573, 0.3232,
0.3649

■ 62.7845, 0.3158,
0.3390

■ 65.2276, 0.3084,
0.3153

■ 67.8932, 0.3013,
0.2937

■ 70.2544, 0.2997,
0.2820

Harmonies

Analogous

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



52.4048, 0.4326, 0.4756



52.4048, 0.3504, 0.5061



52.4048, 0.2630, 0.4654

Triad

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



52.4048, 0.3504, 0.5061



52.4048, 0.1592, 0.2116



52.4048, 0.4387, 0.2843

Complementary

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



52.4048, 0.3504, 0.5061



14.8711, 0.2395, 0.1473

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.



52.4048, 0.3439, 0.2323



52.4048, 0.3504, 0.5061



52.4048, 0.1897, 0.1911

Square

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



52.4048, 0.3504, 0.5061



52.4048, 0.1597, 0.2685



52.4048, 0.2525, 0.1995



52.4048, 0.4943, 0.3468

Rectangle

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



52.4048, 0.3504, 0.5061



52.4048, 0.2137, 0.4007



52.4048, 0.2525, 0.1995



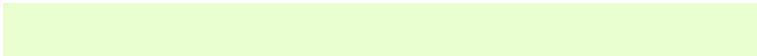
52.4048, 0.4093, 0.2654

Sweetspot

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



52.4071, 0.3504, 0.5061



93.3169, 0.3269, 0.3788



31.4767, 0.4617, 0.4006



19.7808, 0.3290, 0.3868



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.



52.4071, 0.3504, 0.5061



79.8967, 0.3506, 0.5368



47.8920, 0.3063, 0.5329



13.5189, 0.3197, 0.3525



30.3749, 0.3433, 0.5656



1.7452, 0.3567, 0.5549

Inverse Universe

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



14.8711, 0.2395, 0.1473



16.6120, 0.2201, 0.1149



22.2352, 0.3120, 0.1803



11.6775, 0.3052, 0.3055



4.4005, 0.1946, 0.0846



0.2929, 0.2153, 0.0960

Previews

White Background



This preview shows how the Yxy color 52.4048, 0.3504, 0.5061 looks on a white background.

Color Contrast Check

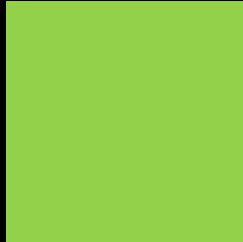
Large Text (above 18pt) WCAG AA × Fail

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 52.4048, 0.3504, 0.5061 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 52.4048, 0.3504, 0.5061

Background



This preview shows how black text looks on a background with the Yxy color 52.4048, 0.3504, 0.5061.



This preview shows how white text looks on a background with the Yxy color 52.4048, 0.3504, 0.5061.

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

52.4048, 0.3504, 0.5061

Protanopia

51.8499, 0.4199, 0.4615

Deuteranopia

51.5207, 0.4401, 0.4301



Tritanopia

52.2900, 0.2799, 0.3099

Trichromacy



Original Color

52.4048, 0.3504, 0.5061

Protanomaly

51.6749, 0.3925, 0.4789

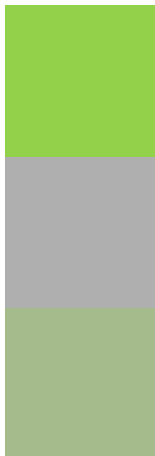
Deuteranomaly

50.6931, 0.4059, 0.4571

Tritanomaly

51.7529, 0.3079, 0.3821

Monochromacy



Original Color

52.4048, 0.3504, 0.5061

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

45.4041, 0.3313, 0.3964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4048, 0.3504, 0.5061 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(148, 209, 75)` looks like.

```
.text, #text, p{  
    color:rgb(148, 209, 75)  
}
```

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(148, 209, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 209, 75) }
```

Border

The CSS property to change the border of an element to Yxy 52.4048, 0.3504, 0.5061 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(148, 209, 75) }
```

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

```
.border{ border-color:rgb(148, 209, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 209, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 209, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 209, 75);  
box-shadow:4px 4px 4px 4px rgb(148, 209,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4048, 0.3504, 0.5061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 209, 75) }
```

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

```
.background{ background-color: rgb(148,  
209, 75) }
```

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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