

Converting Colors

$Y_{xy}(52.5038, 0.3668, 0.5172)$

Have a look what the booklet for
Yxy(52.5038, 0.3668, 0.5172)
contains.

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Color

Yxy(52.6567, 0.3668, 0.5172)

Conversions

Conversions Part 1

Format	Color
Hex	9ED037
RGB	158, 208, 55
RGB Percent	62%, 82%, 22%
CMY	0.3804, 0.1843, 0.7843
CMYK	0.24, 0.00, 0.74, 0.18
HSL	80°, 62%, 52%
HSV	80°, 74%, 82%
XYZ	37.3443, 52.6567, 11.8101
YIQ	175.6080, 19.3130, -58.1830

Conversions

Conversions Part 2

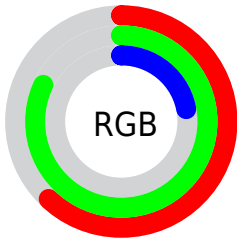
Format	Color
RYB	55, 208, 105
Decimal	10407991
CIELab	77.67, -37.55, 66.12
CIELCh	78, 76.039, 119.589
Yxy	52.6567, 0.3668, 0.5172
Android (android.graphics.Color)	4288598071 (0xFF9ED037)
YUV	175.6080, -59.4597, -15.4422
Hunter-Lab	72.5649, -35.1266, 41.1459

Details

The Yxy color **52.6567, 0.3668, 0.5172** 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 **10.2923, 0.2075, 0.1149**, and the grayscale version is **43.5094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2888, 0.3663, 0.4771**, and **25.6072, 0.3626, 0.5503** is the 20% darker color. If you saturate the color by 10%, you get **51.8292, 0.3670, 0.5336**, and if you desaturate by 10%, it is **53.6110, 0.3641, 0.4963**.

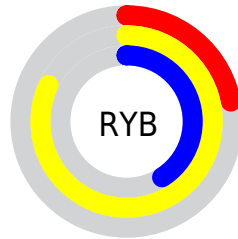
Distribution



Red (62%)

Green (82%)

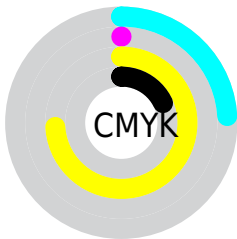
Blue (22%)



Red (22%)

Yellow (82%)

Blue (41%)

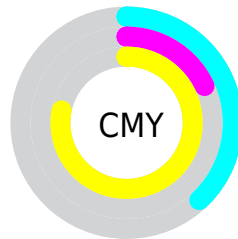


Cyan (24%)

Magenta (0%)

Yellow (74%)

Black (18%)



Cyan (38%)


Magenta (18%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6567, 0.3668, 0.5172 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 52.6567, 0.3668, 0.5172 by changing the saturation by 10% instead.


 52.6567, 0.3668,
0.5172


 52.6567, 0.3668,
0.5172


396.9666, 0.3480,
0.4236

 37.5288, 0.3681,
0.5387


 94.0990, 0.3624,
0.4842


 25.6172, 0.3678,
0.5645


 121.1822, 0.3600,
0.4715


 16.5375, 0.3639,
0.5953


 153.0193, 0.3576,
0.4605

 9.9053, 0.3585,
0.6415

 189.9946, 0.3554,
0.4511

 5.3362, 0.3278,
0.6722

 232.4926, 0.3533,
0.4429

 2.4458, 0.2791,
0.7209

280.8977, 0.3514,

 0.8493, 0.0000,

0.4356

1.0000

335.5942, 0.3496,
0.4293

■ 0.0000, 0.0000,
0.0000

■ 52.6567, 0.3668,
0.5172

■ 52.6567, 0.3668,
0.5172

■ 51.8292, 0.3670,
0.5336

■ 53.6110, 0.3641,
0.4963

■ 51.1096, 0.3648,
0.5451


■ 54.6952, 0.3591,
0.4719

■ 50.6911, 0.3624,
0.5505


■ 55.9203, 0.3523,
0.4453

■ 57.2941, 0.3441,
0.4176

■ 58.8239, 0.3351,
0.3899

 60.5162, 0.3256,
0.3630

 62.3772, 0.3161,
0.3376

 64.4128, 0.3067,
0.3140

 66.6285, 0.2978,
0.2923

Harmonies

Analogous

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



52.6567, 0.4511, 0.4727



52.6567, 0.3668, 0.5172



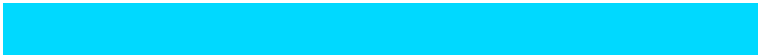
52.6567, 0.2738, 0.4903

Triad

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



52.6567, 0.3668, 0.5172



52.6567, 0.1488, 0.2114



52.6567, 0.4317, 0.2706

Complementary

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



52.6567, 0.3668, 0.5172



10.2923, 0.2075, 0.1149

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.



52.6567, 0.3274, 0.2193



52.6567, 0.3668, 0.5172



52.6567, 0.1749, 0.1848

Square

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



52.6567, 0.3668, 0.5172



52.6567, 0.1546, 0.2782



52.6567, 0.2346, 0.1891



52.6567, 0.5010, 0.3344

Rectangle

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



52.6567, 0.3668, 0.5172



52.6567, 0.2190, 0.4259



52.6567, 0.2346, 0.1891



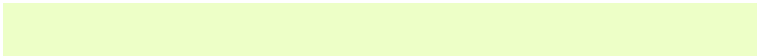
52.6567, 0.3983, 0.2517

Sweetspot

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



52.6590, 0.3668, 0.5172



93.5849, 0.3339, 0.3864



23.4785, 0.5133, 0.3814



19.8812, 0.3364, 0.3939



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.



52.6590, 0.3668, 0.5172



81.5179, 0.3661, 0.5405



47.2328, 0.3142, 0.5533



13.5959, 0.3216, 0.3523



31.6454, 0.3632, 0.5498



1.8114, 0.3737, 0.5415

Inverse Universe

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



10.2923, 0.2075, 0.1149



11.1200, 0.1852, 0.0850



16.9856, 0.2874, 0.1546



11.6027, 0.3032, 0.3053



3.6512, 0.1743, 0.0734



0.2469, 0.1950, 0.0848

Previews

White Background



This preview shows how the Yxy color 52.6567, 0.3668, 0.5172 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 52.6567, 0.3668, 0.5172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

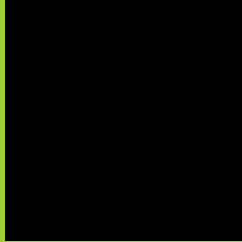
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.6567, 0.3668, 0.5172

Background



This preview shows how black text looks on a background with the Yxy color 52.6567, 0.3668, 0.5172.



This preview shows how white text looks on a background with the Yxy color 52.6567, 0.3668, 0.5172.

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

52.6567, 0.3668, 0.5172

Protanopia

52.3854, 0.4292, 0.4737

Deuteranopia

52.2000, 0.4520, 0.4426



Tritanopia

52.4171, 0.2882, 0.3102

Trichromacy



Original Color

52.6567, 0.3668, 0.5172

Protanomaly

52.1054, 0.4055, 0.4906

Deuteranomaly

51.3110, 0.4211, 0.4689

Tritanomaly

51.5818, 0.3223, 0.3909

Monochromacy



Original Color

52.6567, 0.3668, 0.5172

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

46.0674, 0.3400, 0.4067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6567, 0.3668, 0.5172 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(158, 208, 55)` looks like.

```
.text, #text, p{  
    color:rgb(158, 208, 55)  
}
```

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(158, 208, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 208, 55) }
```

Border

The CSS property to change the border of an element to Yxy 52.6567, 0.3668, 0.5172 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(158, 208, 55) }
```

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

```
.border{ border-color:rgb(158, 208, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 208, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 208, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 208, 55);  
box-shadow:4px 4px 4px 4px rgb(158, 208,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6567, 0.3668, 0.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 208, 55) }
```

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

```
.background{ background-color: rgb(158,  
208, 55) }
```

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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