

Converting Colors

$Y_{xy}(35.7169, 0.4038, 0.5067)$

Have a look what the booklet for
Yxy(35.7169, 0.4038, 0.5067)
contains.

Yxy(35.7152, 0.4038, 0.5067)	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(35.7152, 0.4038, 0.5067)

Conversions

Conversions Part 1

Format	Color
Hex	9EA919
RGB	158, 169, 25
RGB Percent	62%, 66%, 10%
CMY	0.3804, 0.3372, 0.9023
CMYK	0.07, 0.00, 0.85, 0.34
HSL	65°, 74%, 38%
HSV	65°, 85%, 66%
XYZ	28.4622, 35.7152, 6.3085
YIQ	149.2950, 39.6680, -47.1160

Conversions

Conversions Part 2

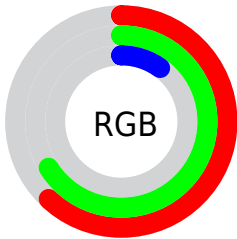
Format	Color
R _Y B	25, 169, 36
Decimal	10397977
CIE Lab	66.30, -20.24, 64.51
CIE LCh	66, 67.609, 107.416
Yxy	35.7152, 0.4038, 0.5067
Android (android.graphics.Color)	4288588057 (0xFF9EA919)
YUV	149.2950, -61.2774, 7.6343
Hunter-Lab	59.7622, -19.5719, 35.5749

Details

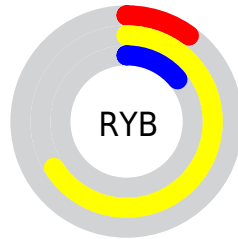
The Yxy color **35.7152, 0.4038, 0.5067** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.9308, 0.1646, 0.0786**, and the grayscale version is **30.4334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5821, 0.3926, 0.4753**, and **15.5474, 0.3978, 0.5223** is the 20% darker color. If you saturate the color by 10%, you get **35.5342, 0.4056, 0.5133**, and if you desaturate by 10%, it is **35.9446, 0.3995, 0.4959**.

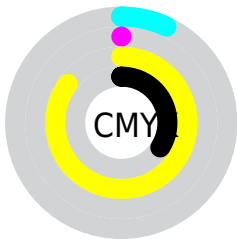
Distribution



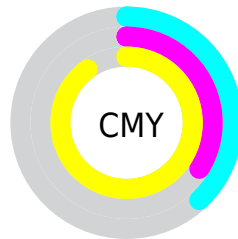
- Red (62%)
- Green (66%)
- Blue (10%)



- Red (10%)
- Yellow (66%)
- Blue (14%)



- Cyan (7%)
- Magenta (0%)
- Yellow (85%)
- Black (34%)





- Cyan (38%)
- Magenta (34%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7152, 0.4038, 0.5067 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 35.7152, 0.4038, 0.5067 by changing the saturation by 10% instead.

 35.7152, 0.4038,
0.5067


 35.7152, 0.4038,
0.5067


327.7140, 0.3649,
0.4171


 24.2143, 0.4091,
0.5265


 68.5923, 0.3925,
0.4754


 15.4927, 0.4127,
0.5492


 90.7372, 0.3873,
0.4632


 9.1659, 0.4175,
0.5825


 117.1990, 0.3826,
0.4526

 4.8495, 0.4004,
0.5996

 148.3620, 0.3783,
0.4436

 2.1593, 0.3724,
0.6276

 184.6106, 0.3744,
0.4356

 0.6976, 0.1951,
0.8049

 226.3292, 0.3709,

 0.0000, 0.0000,

0.4287

0.0000

273.9022, 0.3678,
0.4226

■ 35.7152, 0.4038,
0.5067

■ 35.7152, 0.4038,
0.5067

■ 35.5342, 0.4056,
0.5133

■ 35.9446, 0.3995,
0.4959

■ 35.4553, 0.4061,
0.5158

■ 36.2247, 0.3927,
0.4808

■ 36.5629, 0.3835,
0.4620

■ 36.9641, 0.3725,
0.4402

■ 37.4328, 0.3601,
0.4163

■ 37.9729, 0.3468,
0.3914

■ 38.5882, 0.3332,
0.3662

■ 39.2822, 0.3197,
0.3416

■ 40.0580, 0.3066,
0.3179

Harmonies

Analogous

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



35.7152, 0.4793, 0.4463



35.7152, 0.4038, 0.5067



35.7152, 0.3109, 0.5148

Triad

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



35.7152, 0.4038, 0.5067



35.7152, 0.1457, 0.2319



35.7152, 0.3915, 0.2469

Complementary

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



35.7152, 0.4038, 0.5067



3.9308, 0.1646, 0.0786

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.



35.7152, 0.2860, 0.2029



35.7152, 0.4038, 0.5067



35.7152, 0.1591, 0.1901

Square

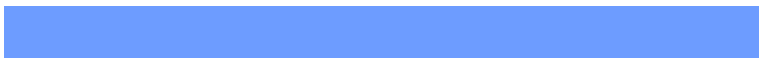
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.7152, 0.4038, 0.5067



35.7152, 0.1655, 0.3180



35.7152, 0.2051, 0.1827



35.7152, 0.4820, 0.3072

Rectangle

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



35.7152, 0.4038, 0.5067



35.7152, 0.2502, 0.4704



35.7152, 0.2051, 0.1827



35.7152, 0.3555, 0.2300

Sweetspot

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



35.7168, 0.4038, 0.5067



67.8765, 0.3484, 0.3944



9.6802, 0.5970, 0.3374



14.7225, 0.3529, 0.4027



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.7168, 0.4038, 0.5067



63.4510, 0.4059, 0.5159



30.4921, 0.3353, 0.5579



8.7442, 0.3251, 0.3514



26.4325, 0.4062, 0.5156



0.6514, 0.4109, 0.5120

Inverse Universe

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



3.9308, 0.1646, 0.0786



5.2473, 0.1520, 0.0611



6.6561, 0.2320, 0.1142



7.3269, 0.2997, 0.3057



2.2082, 0.1531, 0.0617



0.0620, 0.1667, 0.0692

Previews

White Background



This preview shows how the Yxy color 35.7152, 0.4038, 0.5067 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 35.7152, 0.4038, 0.5067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

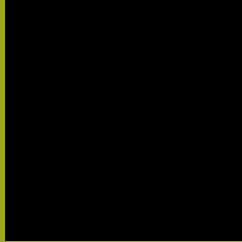
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7152, 0.4038, 0.5067

Background



This preview shows how black text looks on a background with the Yxy color 35.7152, 0.4038, 0.5067.



This preview shows how white text looks on a background with the Yxy color 35.7152, 0.4038, 0.5067.

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

35.7152, 0.4038, 0.5067

Protanopia

35.3754, 0.4360, 0.4827

Deuteranopia

35.6064, 0.4625, 0.4532



Tritanopia

35.5623, 0.3136, 0.3107

Trichromacy



Original Color

35.7152, 0.4038, 0.5067

Protanomaly

35.5011, 0.4244, 0.4912

Deuteranomaly

35.4654, 0.4415, 0.4724

Tritanomaly

34.8811, 0.3582, 0.3943

Monochromacy



Original Color

35.7152, 0.4038, 0.5067

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.4518, 0.3573, 0.4111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7152, 0.4038, 0.5067 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, 169, 25)` looks like.

```
.text, #text, p{  
    color:rgb(158, 169, 25)  
}
```

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, 169, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 169, 25) }
```

Border

The CSS property to change the border of an element to Yxy 35.7152, 0.4038, 0.5067 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, 169, 25) }
```

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

```
.border{ border-color:rgb(158, 169, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 169, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 169, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 169, 25);  
box-shadow:4px 4px 4px 4px rgb(158, 169,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7152, 0.4038, 0.5067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 169, 25) }
```

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

```
.background{ background-color: rgb(158,  
169, 25) }
```

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