

Converting Colors

$Y_{xy}(36.0004, 0.3914, 0.5035)$

Have a look what the booklet for
Yxy(36.0004, 0.3914, 0.5035)
contains.

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Color

Yxy(35.9544, 0.3911, 0.5041)

Conversions

Conversions Part 1

Format	Color
Hex	98AB28
RGB	152, 171, 40
RGB Percent	60%, 67%, 16%
CMY	0.4039, 0.3294, 0.8432
CMYK	0.11, 0.00, 0.77, 0.33
HSL	69°, 62%, 41%
HSV	69°, 77%, 67%
XYZ	27.8948, 35.9544, 7.4747
YIQ	150.3850, 30.7270, -44.7690

Conversions

Conversions Part 2

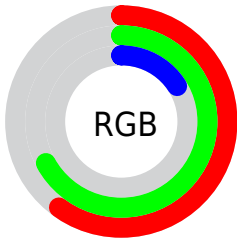
Format	Color
RYB	40, 171, 59
Decimal	10005288
CIELab	66.49, -23.26, 60.32
CIELCh	66, 64.654, 111.089
Yxy	35.9544, 0.3911, 0.5041
Android (android.graphics.Color)	4288195368 (0xFF98AB28)
YUV	150.3850, -54.4198, 1.4164
Hunter-Lab	59.9620, -21.8939, 34.5824

Details

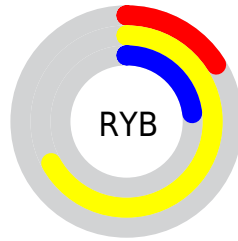
The Yxy color **35.9544, 0.3911, 0.5041** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.3858, 0.1824, 0.0991**, and the grayscale version is **30.8977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7926, 0.3813, 0.4718**, and **15.7350, 0.3882, 0.5300** is the 20% darker color. If you saturate the color by 10%, you get **35.6275, 0.3938, 0.5157**, and if you desaturate by 10%, it is **36.3410, 0.3858, 0.4882**.

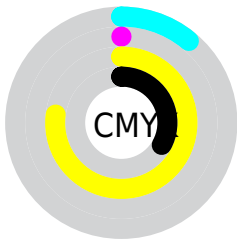
Distribution



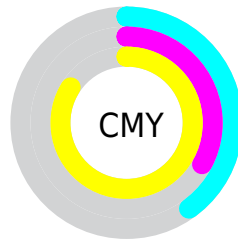
- Red (60%)
- Green (67%)
- Blue (16%)



- Red (16%)
- Yellow (67%)
- Blue (23%)



- Cyan (11%)
- Magenta (0%)
- Yellow (77%)
- Black (33%)




- Cyan (40%)
- Magenta (33%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9544, 0.3911, 0.5041 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 35.9544, 0.3911, 0.5041 by changing the saturation by 10% instead.


 35.9544, 0.3911,
0.5041


 35.9544, 0.3911,
0.5041


328.7612, 0.3577,
0.4140


 24.3990, 0.3957,
0.5251


 68.9617, 0.3813,
0.4719


 15.6298, 0.3988,
0.5502


 91.1823, 0.3769,
0.4595


 9.2626, 0.4024,
0.5862


 117.7268, 0.3728,
0.4490

 4.9129, 0.3874,
0.6126

 148.9796, 0.3691,
0.4400

 2.1962, 0.3553,
0.6447

 185.3250, 0.3658,
0.4321

 0.7179, 0.1375,
0.8625

 227.1475, 0.3628,

 0.0000, 0.0000,

0.4253

0.0000

274.8314, 0.3601,
0.4193

■ 35.9544, 0.3911,
0.5041

■ 35.9544, 0.3911,
0.5041

■ 35.6275, 0.3938,
0.5157

■ 36.3410, 0.3858,
0.4882

■ 35.3470, 0.3942,
0.5231

■ 36.7885, 0.3782,
0.4684

■ 35.2571, 0.3941,
0.5253

■ 37.3038, 0.3686,
0.4457

■ 37.8914, 0.3576,
0.4211

■ 38.5557, 0.3456,
0.3955

■ 39.3005, 0.3332,
0.3699

■ 40.1294, 0.3208,
0.3449

■ 41.0458, 0.3087,
0.3211

■ 42.0528, 0.2971,
0.2988

Harmonies

Analogous

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



35.9544, 0.4664, 0.4514



35.9544, 0.3911, 0.5041



35.9544, 0.3009, 0.5004

Triad

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



35.9544, 0.3911, 0.5041



35.9544, 0.1514, 0.2293



35.9544, 0.4005, 0.2567

Complementary

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



35.9544, 0.3911, 0.5041



5.3858, 0.1824, 0.0991

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.



35.9544, 0.2991, 0.2116



35.9544, 0.3911, 0.5041



35.9544, 0.1682, 0.1928

Square

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



35.9544, 0.3911, 0.5041



35.9544, 0.1669, 0.3068



35.9544, 0.2171, 0.1889



35.9544, 0.4816, 0.3166

Rectangle

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



35.9544, 0.3911, 0.5041



35.9544, 0.2436, 0.4516



35.9544, 0.2171, 0.1889



35.9544, 0.3665, 0.2395

Sweetspot

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



35.9560, 0.3911, 0.5041



69.4604, 0.3417, 0.3873



11.7822, 0.5531, 0.3492



15.3892, 0.3460, 0.3963



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



35.9560, 0.3911, 0.5041



63.4449, 0.3943, 0.5213



31.3562, 0.3306, 0.5464



9.2705, 0.3241, 0.3516



26.5949, 0.3944, 0.5251



0.7556, 0.4024, 0.5187

Inverse Universe

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



5.3858, 0.1824, 0.0991



6.3030, 0.1613, 0.0698



8.6647, 0.2531, 0.1348



7.8109, 0.3007, 0.3057



2.3851, 0.1567, 0.0637



0.0831, 0.1792, 0.0761

Previews

White Background



This preview shows how the Yxy color 35.9544, 0.3911, 0.5041 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 35.9544, 0.3911, 0.5041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

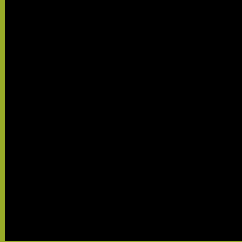
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9544, 0.3911, 0.5041

Background



This preview shows how black text looks on a background with the Yxy color 35.9544, 0.3911, 0.5041.



This preview shows how white text looks on a background with the Yxy color 35.9544, 0.3911, 0.5041.

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

35.9544, 0.3911, 0.5041

Protanopia

35.8044, 0.4300, 0.4763

Deuteranopia

35.5524, 0.4559, 0.4467



Tritanopia

35.6673, 0.3060, 0.3105

Trichromacy



Original Color

35.9544, 0.3911, 0.5041

Protanomaly

35.6028, 0.4153, 0.4864

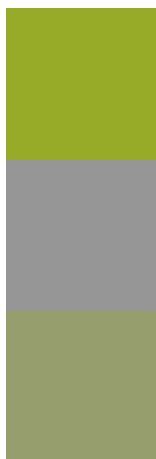
Deuteranomaly

35.5214, 0.4321, 0.4677

Tritanomaly

35.1232, 0.3449, 0.3879

Monochromacy



Original Color

35.9544, 0.3911, 0.5041

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.1588, 0.3499, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9544, 0.3911, 0.5041 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(152, 171, 40)` looks like.

```
.text, #text, p{  
    color:rgb(152, 171, 40)  
}
```

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(152, 171, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 171, 40) }
```

Border

The CSS property to change the border of an element to Yxy 35.9544, 0.3911, 0.5041 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(152, 171, 40) }
```

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

```
.border{ border-color:rgb(152, 171, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 171, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 171, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 171, 40);  
box-shadow:4px 4px 4px 4px rgb(152, 171,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9544, 0.3911, 0.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 171, 40) }
```

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

```
.background{ background-color: rgb(152,  
171, 40) }
```

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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