

Converting Colors

$Yxy(58.9034, 0.3751, 0.5340)$

Have a look what the booklet for
Yxy(58.9034, 0.3751, 0.5340)
contains.

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Color

Yxy(58.9445, 0.3752, 0.5337)

Conversions

Conversions Part 1

Format	Color
Hex	A7DB18
RGB	167, 219, 24
RGB Percent	65%, 86%, 9%
CMY	0.3450, 0.1412, 0.9055
CMYK	0.24, 0.00, 0.89, 0.14
HSL	76°, 80%, 48%
HSV	76°, 89%, 86%
XYZ	41.4390, 58.9445, 10.0615
YIQ	181.2220, 31.6030, -71.6690

Conversions

Conversions Part 2

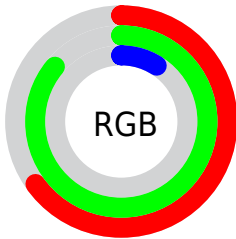
Format	Color
R_{YB}	24, 219, 76
Decimal	11000600
CIE _{Lab}	81.26, -40.09, 77.27
CIE _{LCh}	81, 87.054, 117.424
Yxy	58.9445, 0.3752, 0.5337
Android (android.graphics.Color)	4289190680 (0xFFA7DB18)
YUV	181.2220, -77.5104, -12.4727
Hunter-Lab	76.7753, -38.0126, 45.9727

Details

The Yxy color **58.9445, 0.3752, 0.5337** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **7.3098, 0.1769, 0.0803**, and the grayscale version is **46.7604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4969, 0.3806, 0.4871**, and **29.8021, 0.3619, 0.5508** is the 20% darker color. If you saturate the color by 10%, you get **58.2638, 0.3727, 0.5418**, and if you desaturate by 10%, it is **59.7285, 0.3755, 0.5212**.

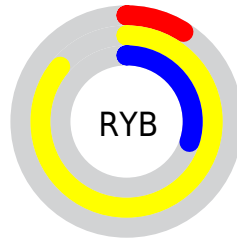
Distribution



Red (65%)

Green (86%)

Blue (9%)



Red (9%)

Yellow (86%)

Blue (30%)

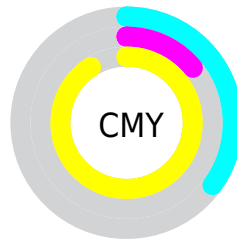


Cyan (24%)

Magenta (0%)

Yellow (89%)

Black (14%)



Cyan (35%)


Magenta (14%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9445, 0.3752, 0.5337 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 58.9445, 0.3752, 0.5337 by changing the saturation by 10% instead.

 58.9445, 0.3752,
0.5337

 58.9445, 0.3752,
0.5337

420.6962, 0.3554,
0.4357

 42.5684, 0.3759,
0.5546


 103.2970, 0.3712,
0.5004


 29.5467, 0.3744,
0.5789


 132.0422, 0.3687,
0.4871


 19.4947, 0.3690,
0.6068


 165.6793, 0.3662,
0.4756

 12.0283, 0.3583,
0.6417

 204.5926, 0.3638,
0.4655

 6.7630, 0.3300,
0.6700

 249.1666, 0.3615,
0.4567

 3.3143, 0.2865,
0.7135

 299.7856, 0.3594,

 1.2979, 0.1371,

0.4489

0.8629

356.8340, 0.3573,
0.4419

■ 0.1396, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9445, 0.3752,
0.5337

■ 58.9445, 0.3752,
0.5337

■ 58.2638, 0.3727,
0.5418


■ 59.7285, 0.3755,
0.5212


■ 58.1984, 0.3724,
0.5425


■ 60.6269, 0.3732,
0.5039


■ 61.6545, 0.3684,
0.4826

■ 62.8217, 0.3614,
0.4581

 64.1375, 0.3529,
0.4317

 65.6101, 0.3431,
0.4044

 67.2472, 0.3327,
0.3774

 69.0557, 0.3221,
0.3513

 71.0422, 0.3117,
0.3266

Harmonies

Analogous

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



58.9445, 0.4657, 0.4765



58.9445, 0.3752, 0.5337



58.9445, 0.2750, 0.5152

Triad

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



58.9445, 0.3752, 0.5337



58.9445, 0.1359, 0.2041



58.9445, 0.4357, 0.2604

Complementary

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



58.9445, 0.3752, 0.5337



7.3098, 0.1769, 0.0803

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.



58.9445, 0.3197, 0.2074



58.9445, 0.3752, 0.5337



58.9445, 0.1611, 0.1743

Square

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



58.9445, 0.3752, 0.5337



58.9445, 0.1438, 0.2788



58.9445, 0.2215, 0.1772



58.9445, 0.5162, 0.3270

Rectangle

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



58.9445, 0.3752, 0.5337



58.9445, 0.2149, 0.4461



58.9445, 0.2215, 0.1772



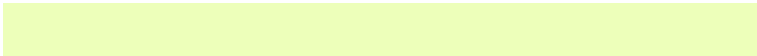
58.9445, 0.3980, 0.2407

Sweetspot

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



58.9471, 0.3752, 0.5337



93.0150, 0.3413, 0.3996



19.8668, 0.5810, 0.3636



19.7473, 0.3448, 0.4090



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.



58.9471, 0.3752, 0.5337



82.0871, 0.3720, 0.5428



52.1371, 0.3143, 0.5805



15.0802, 0.3226, 0.3524



34.5660, 0.3731, 0.5419



2.2806, 0.3810, 0.5357

Inverse Universe

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



7.3098, 0.1769, 0.0803



8.4483, 0.1647, 0.0681



14.3474, 0.2649, 0.1277



12.7842, 0.3022, 0.3051



3.6188, 0.1667, 0.0692



0.2763, 0.1838, 0.0786

Previews

White Background



This preview shows how the Yxy color 58.9445, 0.3752, 0.5337 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 58.9445, 0.3752, 0.5337 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 58.9445, 0.3752, 0.5337

Background



This preview shows how black text looks on a background with the Yxy color 58.9445, 0.3752, 0.5337.

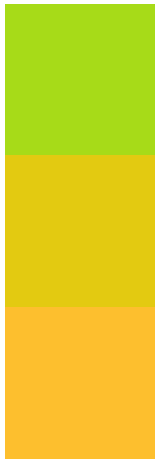


This preview shows how white text looks on a background with the Yxy color 58.9445, 0.3752, 0.5337.

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

58.9445, 0.3752, 0.5337

Protanopia

58.6124, 0.4388, 0.4861

Deuteranopia

58.3415, 0.4634, 0.4534



Tritanopia

58.7921, 0.2886, 0.3099

Trichromacy



Original Color

58.9445, 0.3752, 0.5337

Protanomaly

58.1414, 0.4149, 0.5040

Deuteranomaly

57.4428, 0.4315, 0.4826

Tritanomaly

57.3546, 0.3315, 0.4062

Monochromacy



Original Color

58.9445, 0.3752, 0.5337

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

49.7156, 0.3501, 0.4239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9445, 0.3752, 0.5337 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(167, 219, 24)` looks like.

```
.text, #text, p{  
    color:rgb(167, 219, 24)  
}
```

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(167, 219, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 219, 24) }
```

Border

The CSS property to change the border of an element to Yxy 58.9445, 0.3752, 0.5337 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(167, 219, 24) }
```

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

```
.border{ border-color:rgb(167, 219, 24) }
```

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

Here you see how a box with a 4 pixel rgb(167, 219, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 219, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 219, 24);  
box-shadow:4px 4px 4px 4px rgb(167, 219,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9445, 0.3752, 0.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 219, 24) }
```

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

```
.background{ background-color: rgb(167,  
219, 24) }
```

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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