

Converting Colors

$Yxy(60.1411, 0.3553, 0.4957)$

Have a look what the booklet for
Yxy(60.1411, 0.3553, 0.4957)
contains.

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Color

Yxy(59.9653, 0.3551, 0.4953)

Conversions

Conversions Part 1

Format	Color
Hex	A6DC56
RGB	166, 220, 86
RGB Percent	65%, 86%, 34%
CMY	0.3492, 0.1372, 0.6627
CMYK	0.25, 0.00, 0.61, 0.14
HSL	84°, 66%, 60%
HSV	84°, 61%, 86%
XYZ	42.9915, 59.9653, 18.1119
YIQ	188.5780, 10.8300, -53.1220

Conversions

Conversions Part 2

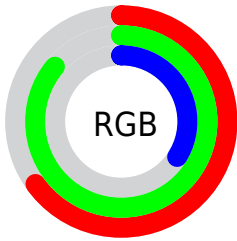
Format	Color
RYB	86, 220, 140
Decimal	10935382
CIELab	81.82, -37.82, 58.66
CIELCh	82, 69.798, 122.813
Yxy	59.9653, 0.3551, 0.4953
Android (android.graphics.Color)	4289125462 (0xFFA6DC56)
YUV	188.5780, -50.5710, -19.8009
Hunter-Lab	77.4373, -36.4159, 40.3387

Details

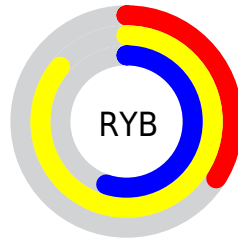
The Yxy color **59.9653, 0.3551, 0.4953** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **17.4045, 0.2372, 0.1525**, and the grayscale version is **50.9210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2607, 0.3584, 0.4490**, and **30.3091, 0.3570, 0.5384** is the 20% darker color. If you saturate the color by 10%, you get **58.7402, 0.3571, 0.5187**, and if you desaturate by 10%, it is **61.3710, 0.3509, 0.4687**.

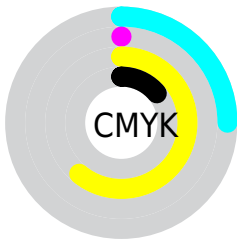
Distribution



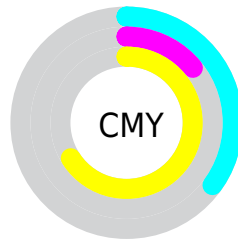
- Red (65%)
- Green (86%)
- Blue (34%)



- Red (34%)
- Yellow (86%)
- Blue (55%)



- Cyan (25%)
- Magenta (0%)
- Yellow (61%)
- Black (14%)




- Cyan (35%)
- Magenta (14%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9653, 0.3551, 0.4953 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 59.9653, 0.3551, 0.4953 by changing the saturation by 10% instead.


 59.9653, 0.3551,
0.4953

 59.9653, 0.3551,
0.4953


424.4699, 0.3401,
0.4130


 43.3907, 0.3566,
0.5146


 104.7793, 0.3513,
0.4661


 30.1918, 0.3573,
0.5382


 133.7875, 0.3493,
0.4549

 19.9842, 0.3560,
0.5676

 167.7090, 0.3475,
0.4454

 12.3835, 0.3503,
0.6039

 206.9282, 0.3458,
0.4371

 7.0055, 0.3410,
0.6590

251.8295, 0.3442,
0.4299

 3.4655, 0.3009,
0.6991

302.7973, 0.3427,

 1.3793, 0.1885,

0.4236

0.8115

360.2159, 0.3413,
0.4180

■ 0.2014, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9653, 0.3551,
0.4953

■ 59.9653, 0.3551,
0.4953

■ 58.7402, 0.3571,
0.5187

■ 61.3710, 0.3509,
0.4687

■ 57.6761, 0.3568,
0.5378


■ 62.9597, 0.3450,
0.4404

■ 56.7618, 0.3540,
0.5517


■ 64.7435, 0.3379,
0.4116


■ 56.0403, 0.3499,
0.5603


■ 66.7310, 0.3300,
0.3833

 68.9301, 0.3218,
0.3564

 71.3485, 0.3135,
0.3312

 73.9932, 0.3054,
0.3080

 76.4111, 0.3019,
0.2937

 77.9765, 0.3080,
0.2943

Harmonies

Analogous

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



59.9653, 0.4319, 0.4657



59.9653, 0.3551, 0.4953



59.9653, 0.2716, 0.4608

Triad

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



59.9653, 0.3551, 0.4953



59.9653, 0.1654, 0.2203



59.9653, 0.4264, 0.2834

Complementary

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



59.9653, 0.3551, 0.4953



17.4045, 0.2372, 0.1525

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.



59.9653, 0.3364, 0.2344



59.9653, 0.3551, 0.4953



59.9653, 0.1929, 0.1981

Square

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



59.9653, 0.3551, 0.4953



59.9653, 0.1682, 0.2774



59.9653, 0.2512, 0.2043



59.9653, 0.4823, 0.3433

Rectangle

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



59.9653, 0.3551, 0.4953



59.9653, 0.2234, 0.4027



59.9653, 0.2512, 0.2043



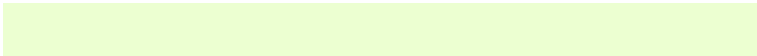
59.9653, 0.3982, 0.2655

Sweetspot

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



59.9679, 0.3551, 0.4953



94.0442, 0.3278, 0.3757



34.5310, 0.4585, 0.3907



19.9434, 0.3301, 0.3838



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.



59.9679, 0.3551, 0.4953



81.6400, 0.3573, 0.5243



54.5413, 0.3103, 0.5213



14.9883, 0.3205, 0.3525



32.9511, 0.3509, 0.5596



2.1845, 0.3619, 0.5508

Inverse Universe

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



17.4045, 0.2372, 0.1525



17.3819, 0.2178, 0.1196



25.0335, 0.3051, 0.1824



12.8723, 0.3044, 0.3053



4.3328, 0.1855, 0.0795



0.3301, 0.2040, 0.0897

Previews

White Background



This preview shows how the Yxy color 59.9653, 0.3551, 0.4953 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 59.9653, 0.3551, 0.4953 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 59.9653, 0.3551, 0.4953

Background



This preview shows how black text looks on a background with the Yxy color 59.9653, 0.3551, 0.4953.



This preview shows how white text looks on a background with the Yxy color 59.9653, 0.3551, 0.4953.

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

59.9653, 0.3551, 0.4953

Protanopia

59.4747, 0.4167, 0.4572

Deuteranopia

59.2721, 0.4365, 0.4276



Tritanopia

59.6607, 0.2854, 0.3087

Trichromacy



Original Color

59.9653, 0.3551, 0.4953

Protanomaly

59.0628, 0.3931, 0.4713

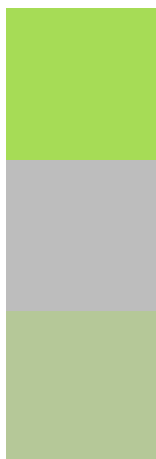
Deuteranomaly

58.5273, 0.4053, 0.4522

Tritanomaly

58.9528, 0.3134, 0.3773

Monochromacy



Original Color

59.9653, 0.3551, 0.4953

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

53.3993, 0.3327, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9653, 0.3551, 0.4953 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(166, 220, 86)` looks like.

```
.text, #text, p{  
    color:rgb(166, 220, 86)  
}
```

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(166, 220, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 220, 86) }
```

Border

The CSS property to change the border of an element to Yxy 59.9653, 0.3551, 0.4953 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(166, 220, 86) }
```

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

```
.border{ border-color:rgb(166, 220, 86) }
```

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

Here you see how a box with a 4 pixel rgb(166, 220, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 220, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 220, 86);  
box-shadow:4px 4px 4px 4px rgb(166, 220,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9653, 0.3551, 0.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 220, 86) }
```

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

```
.background{ background-color: rgb(166,  
220, 86) }
```

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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