

Converting Colors

Yxy(59.4468, 0.3714, 0.5217)

Have a look what the booklet for
Yxy(59.4468, 0.3714, 0.5217)
contains.

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Color

Yxy(59.3198, 0.3716, 0.5217)

Conversions

Conversions Part 1

Format	Color
Hex	A9DB31
RGB	169, 219, 49
RGB Percent	66%, 86%, 19%
CMY	0.3372, 0.1412, 0.8077
CMYK	0.23, 0.00, 0.78, 0.14
HSL	78°, 70%, 53%
HSV	78°, 78%, 86%
XYZ	42.2527, 59.3198, 12.1323
YIQ	184.6700, 24.7700, -63.4700

Conversions

Conversions Part 2

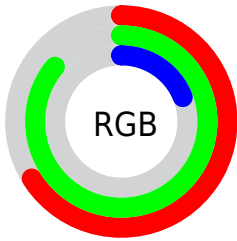
Format	Color
R_{YB}	49, 219, 99
Decimal	11131697
CIE _{Lab}	81.47, -38.52, 71.81
CIE _{LCh}	81, 81.484, 118.209
Yxy	59.3198, 0.3716, 0.5217
Android (android.graphics.Color)	4289321777 (0xFFA9DB31)
YUV	184.6700, -66.8853, -13.7426
Hunter-Lab	77.0193, -36.8590, 44.5740

Details

The Yxy color **59.3198, 0.3716, 0.5217** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle muted chartreuse. A complement of this color would be **9.9679, 0.1963, 0.1028**, and the grayscale version is **48.6974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1181, 0.3759, 0.4751**, and **29.9957, 0.3649, 0.5485** is the 20% darker color. If you saturate the color by 10%, you get **58.4852, 0.3712, 0.5354**, and if you desaturate by 10%, it is **60.2845, 0.3694, 0.5033**.

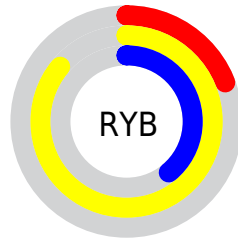
Distribution



Red (66%)

Green (86%)

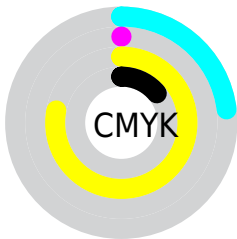
Blue (19%)



Red (19%)

Yellow (86%)

Blue (39%)

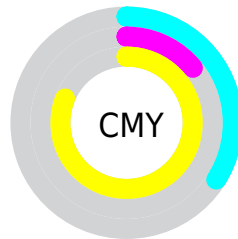


Cyan (23%)

Magenta (0%)

Yellow (78%)

Black (14%)



Cyan (34%)


Magenta (14%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3198, 0.3716, 0.5217 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 59.3198, 0.3716, 0.5217 by changing the saturation by 10% instead.


 59.3198, 0.3716,
0.5217

 59.3198, 0.3716,
0.5217


422.0860, 0.3518,
0.4286


 42.8706, 0.3730,
0.5422


 103.8423, 0.3670,
0.4896


 29.7836, 0.3727,
0.5664


 132.6844, 0.3645,
0.4770


 19.6744, 0.3691,
0.5947


 166.4263, 0.3621,
0.4661

 12.1586, 0.3641,
0.6359

 205.4524, 0.3597,
0.4566

 6.8518, 0.3370,
0.6630

 250.1470, 0.3576,
0.4482

 3.3696, 0.2956,
0.7044

300.8945, 0.3555,

 1.3276, 0.1671,

0.4409

0.8329

358.0794, 0.3536,
0.4344

0.1624, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

59.3198, 0.3716,
0.5217

59.3198, 0.3716,
0.5217

58.4852, 0.3712,
0.5354

60.2845, 0.3694,
0.5033


57.7566, 0.3685,
0.5444

61.3834, 0.3648,
0.4808


57.5921, 0.3677,
0.5462


62.6294, 0.3581,
0.4555


64.0316, 0.3498,
0.4285

 65.5981, 0.3404,
0.4009

 67.3367, 0.3305,
0.3738

 69.2542, 0.3203,
0.3478

 71.3575, 0.3104,
0.3233

 73.6525, 0.3007,
0.3007

Harmonies

Analogous

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



59.3198, 0.4572, 0.4724



59.3198, 0.3716, 0.5217



59.3198, 0.2764, 0.4992

Triad

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



59.3198, 0.3716, 0.5217



59.3198, 0.1447, 0.2103



59.3198, 0.4306, 0.2662

Complementary

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



59.3198, 0.3716, 0.5217



9.9679, 0.1963, 0.1028

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.



59.3198, 0.3226, 0.2147



59.3198, 0.3716, 0.5217



59.3198, 0.1698, 0.1819

Square

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



59.3198, 0.3716, 0.5217



59.3198, 0.1520, 0.2806



59.3198, 0.2289, 0.1851



59.3198, 0.5045, 0.3306

Rectangle

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



59.3198, 0.3716, 0.5217



59.3198, 0.2196, 0.4345



59.3198, 0.2289, 0.1851



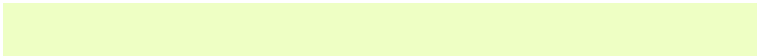
59.3198, 0.3957, 0.2471

Sweetspot

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



59.3224, 0.3716, 0.5217



93.6562, 0.3361, 0.3889



23.8676, 0.5351, 0.3750



19.8595, 0.3397, 0.3988



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.



59.3224, 0.3716, 0.5217



81.9110, 0.3698, 0.5415



52.8567, 0.3157, 0.5616



15.0616, 0.3222, 0.3524



34.2086, 0.3685, 0.5456



2.2598, 0.3771, 0.5388

Inverse Universe

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



9.9679, 0.1963, 0.1028



9.7021, 0.1748, 0.0762



17.2808, 0.2789, 0.1451



12.8018, 0.3026, 0.3051



3.7361, 0.1699, 0.0709



0.2859, 0.1875, 0.0806

Previews

White Background



This preview shows how the Yxy color 59.3198, 0.3716, 0.5217 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 59.3198, 0.3716, 0.5217 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 59.3198, 0.3716, 0.5217

Background



This preview shows how black text looks on a background with the Yxy color 59.3198, 0.3716, 0.5217.



This preview shows how white text looks on a background with the Yxy color 59.3198, 0.3716, 0.5217.

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

59.3198, 0.3716, 0.5217

Protanopia

58.7614, 0.4329, 0.4775

Deuteranopia

58.9297, 0.4566, 0.4467



Tritanopia

59.0444, 0.2900, 0.3100

Trichromacy



Original Color

59.3198, 0.3716, 0.5217

Protanomaly

58.4308, 0.4102, 0.4942

Deuteranomaly

58.0661, 0.4247, 0.4744

Tritanomaly

57.8933, 0.3269, 0.3941

Monochromacy



Original Color

59.3198, 0.3716, 0.5217

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

51.2938, 0.3434, 0.4096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3198, 0.3716, 0.5217 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(169, 219, 49)` looks like.

```
.text, #text, p{  
    color:rgb(169, 219, 49)  
}
```

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(169, 219, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 219, 49) }
```

Border

The CSS property to change the border of an element to Yxy 59.3198, 0.3716, 0.5217 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(169, 219, 49) }
```

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

```
.border{ border-color:rgb(169, 219, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 219, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 219, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 219, 49);  
box-shadow:4px 4px 4px 4px rgb(169, 219,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3198, 0.3716, 0.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 219, 49) }
```

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

```
.background{ background-color: rgb(169,  
219, 49) }
```

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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