

Converting Colors

$Y_{xy}(48.1570, 0.3661, 0.5302)$

Have a look what the booklet for
Yxy(48.1570, 0.3661, 0.5302)
contains.

Yxy(48.1228, 0.3663, 0.5296)	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(48.1228, 0.3663, 0.5296)

Conversions

Conversions Part 1

Format	Color
Hex	93C927
RGB	147, 201, 39
RGB Percent	58%, 79%, 15%
CMY	0.4236, 0.2117, 0.8468
CMYK	0.27, 0.00, 0.81, 0.21
HSL	80°, 67%, 47%
HSV	80°, 81%, 79%
XYZ	33.2843, 48.1228, 9.4592
YIQ	166.3860, 19.8180, -61.8300

Conversions

Conversions Part 2

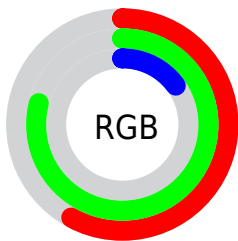
Format	Color
RYB	39, 201, 93
Decimal	9685287
CIELab	74.90, -39.39, 68.15
CIELCh	75, 78.716, 120.029
Yxy	48.1228, 0.3663, 0.5296
Android (android.graphics.Color)	4287875367 (0xFF93C927)
YUV	166.3860, -62.8013, -17.0015
Hunter-Lab	69.3706, -35.7534, 40.4748

Details

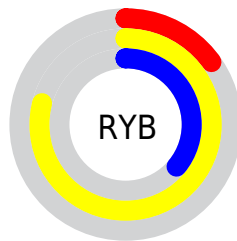
The Yxy color **48.1228, 0.3663, 0.5296** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **8.0049, 0.1980, 0.1003**, and the grayscale version is **38.6363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4000, 0.3641, 0.4921**, and **23.0411, 0.3542, 0.5570** is the 20% darker color. If you saturate the color by 10%, you get **47.4230, 0.3647, 0.5427**, and if you desaturate by 10%, it is **48.9336, 0.3654, 0.5116**.

Distribution



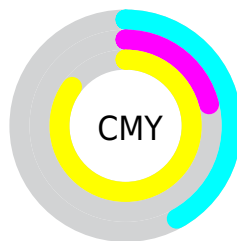
- Red (58%)
- Green (79%)
- Blue (15%)



- Red (15%)
- Yellow (79%)
- Blue (36%)



- Cyan (27%)
- Magenta (0%)
- Yellow (81%)
- Black (21%)





- Cyan (42%)
- Magenta (21%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1228, 0.3663, 0.5296 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 48.1228, 0.3663, 0.5296 by changing the saturation by 10% instead.


 48.1228, 0.3663,
0.5296


 48.1228, 0.3663,
0.5296


 379.2787, 0.3487,
0.4286

 33.9241, 0.3667,
0.5528


 87.3872, 0.3627,
0.4939


 22.8353, 0.3647,
0.5805


 113.2218, 0.3605,
0.4801


 14.4720, 0.3584,
0.6141


 143.7037, 0.3582,
0.4683

 8.4496, 0.3442,
0.6558

 179.2175, 0.3561,
0.4581

 4.3840, 0.3080,
0.6920

 220.1475, 0.3540,
0.4493

 1.8906, 0.2429,
0.7571

 266.8781, 0.3521,

 0.5427, 0.0000,

0.4415

1.0000

319.7937, 0.3503,
0.4347

■ 0.0000, 0.0000,
0.0000

■ 48.1228, 0.3663,
0.5296

■ 48.1228, 0.3663,
0.5296

■ 47.4230, 0.3647,
0.5427

■ 48.9336, 0.3654,
0.5116

■ 46.8407, 0.3614,
0.5512

■ 49.8593, 0.3621,
0.4894

■ 50.9109, 0.3566,
0.4641

■ 52.0961, 0.3494,
0.4370

■ 53.4221, 0.3411,
0.4092

■ 54.8953, 0.3320,
0.3817

■ 56.5216, 0.3226,
0.3552

■ 58.3068, 0.3132,
0.3303

■ 60.2560, 0.3041,
0.3073

Harmonies

Analogous

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



48.1228, 0.4558, 0.4797



48.1228, 0.3663, 0.5296



48.1228, 0.2687, 0.5017

Triad

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



48.1228, 0.3663, 0.5296



48.1228, 0.1409, 0.2037



48.1228, 0.4408, 0.2678

Complementary

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



48.1228, 0.3663, 0.5296



8.0049, 0.1980, 0.1003

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.



48.1228, 0.3294, 0.2142



48.1228, 0.3663, 0.5296



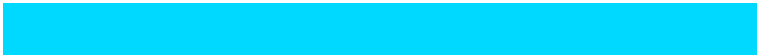
48.1228, 0.1685, 0.1772

Square

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



48.1228, 0.3663, 0.5296



48.1228, 0.1460, 0.2725



48.1228, 0.2311, 0.1824



48.1228, 0.5135, 0.3339

Rectangle

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



48.1228, 0.3663, 0.5296



48.1228, 0.2115, 0.4312



48.1228, 0.2311, 0.1824



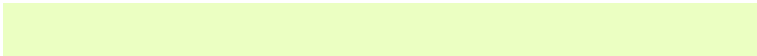
48.1228, 0.4052, 0.2480

Sweetspot

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



48.1249, 0.3663, 0.5296



92.9975, 0.3355, 0.3919



20.4026, 0.5339, 0.3839



19.7114, 0.3388, 0.4019



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.



48.1249, 0.3663, 0.5296



80.3624, 0.3619, 0.5496



43.0836, 0.3110, 0.5699



12.2330, 0.3215, 0.3522



29.5013, 0.3622, 0.5506



1.4353, 0.3744, 0.5409

Inverse Universe

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



8.0049, 0.1980, 0.1003



9.5680, 0.1758, 0.0752



14.6736, 0.2873, 0.1468



10.4565, 0.3034, 0.3055



3.4481, 0.1754, 0.0740



0.2031, 0.1995, 0.0873

Previews

White Background



This preview shows how the Yxy color 48.1228, 0.3663, 0.5296 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 48.1228, 0.3663, 0.5296 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 48.1228, 0.3663, 0.5296

Background



This preview shows how black text looks on a background with the Yxy color 48.1228, 0.3663, 0.5296.



This preview shows how white text looks on a background with the Yxy color 48.1228, 0.3663, 0.5296.

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

48.1228, 0.3663, 0.5296

Protanopia

47.6677, 0.4345, 0.4798

Deuteranopia

47.3521, 0.4579, 0.4479



Tritanopia

47.8042, 0.2844, 0.3093

Trichromacy



Original Color

48.1228, 0.3663, 0.5296

Protanomaly

47.2686, 0.4088, 0.4988

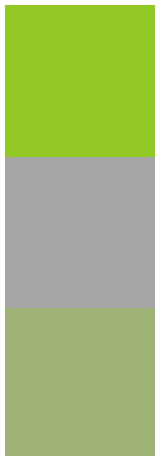
Deuteranomaly

46.7737, 0.4238, 0.4777

Tritanomaly

46.9515, 0.3215, 0.3982

Monochromacy



Original Color

48.1228, 0.3663, 0.5296

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.9672, 0.3426, 0.4152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1228, 0.3663, 0.5296 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(147, 201, 39)` looks like.

```
.text, #text, p{  
    color:rgb(147, 201, 39)  
}
```

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(147, 201, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 201, 39) }
```

Border

The CSS property to change the border of an element to Yxy 48.1228, 0.3663, 0.5296 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(147, 201, 39) }
```

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

```
.border{ border-color:rgb(147, 201, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 201, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 201, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 201, 39);  
box-shadow:4px 4px 4px 4px rgb(147, 201,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1228, 0.3663, 0.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 201, 39) }
```

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

```
.background{ background-color: rgb(147,  
201, 39) }
```

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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