

Converting Colors

$Y_{xy}(45.7216, 0.3839, 0.5273)$

Have a look what the booklet for
Yxy(45.7216, 0.3839, 0.5273)
contains.

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Color

Yxy(45.7987, 0.3837, 0.5276)

Conversions

Conversions Part 1

Format	Color
Hex	9DC213
RGB	157, 194, 19
RGB Percent	62%, 76%, 7%
CMY	0.3845, 0.2392, 0.9255
CMYK	0.19, 0.00, 0.90, 0.24
HSL	73°, 82%, 42%
HSV	73°, 90%, 76%
XYZ	33.3074, 45.7987, 7.6997
YIQ	162.9870, 34.1230, -62.2690

Conversions

Conversions Part 2

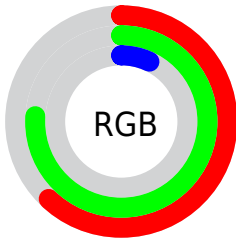
Format	Color
RYB	19, 194, 56
Decimal	10338835
CIELab	73.41, -32.90, 71.46
CIELCh	73, 78.667, 114.721
Yxy	45.7987, 0.3837, 0.5276
Android (android.graphics.Color)	4288528915 (0xFF9DC213)
YUV	162.9870, -70.9856, -5.2506
Hunter-Lab	67.6747, -30.5788, 40.6266

Details

The Yxy color **45.7987, 0.3837, 0.5276** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **5.2034, 0.1700, 0.0762**, and the grayscale version is **36.9460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1296, 0.3774, 0.4942**, and **21.4655, 0.3707, 0.5438** is the 20% darker color. If you saturate the color by 10%, you get **45.3560, 0.3822, 0.5347**, and if you desaturate by 10%, it is **46.3163, 0.3832, 0.5165**.

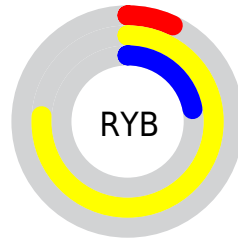
Distribution



Red (62%)

Green (76%)

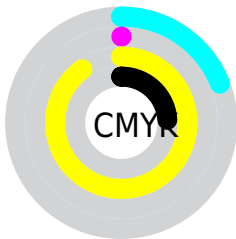
Blue (7%)



Red (7%)

Yellow (76%)

Blue (22%)

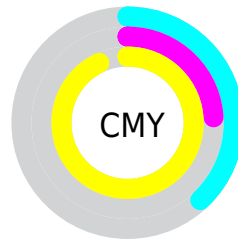


Cyan (19%)

Magenta (0%)

Yellow (90%)

Black (24%)



Cyan (38%)


Magenta (24%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7987, 0.3837, 0.5276 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 45.7987, 0.3837, 0.5276 by changing the saturation by 10% instead.


 45.7987, 0.3837,
0.5276

 45.7987, 0.3837,
0.5276


369.9988, 0.3581,
0.4293


 32.0870, 0.3855,
0.5492


 83.9177, 0.3776,
0.4936


 21.4280, 0.3848,
0.5743


 109.0937, 0.3743,
0.4801


 13.4372, 0.3821,
0.6072

 138.8600, 0.3711,
0.4686

 7.7303, 0.3649,
0.6351

 173.6009, 0.3681,
0.4586

 3.9228, 0.3326,
0.6674

 213.7008, 0.3653,
0.4498

 1.6305, 0.2717,
0.7283

 259.5442, 0.3627,

 0.3780, 0.0000,

0.4422

1.0000

311.5154, 0.3603,
0.4354

■ 0.0000, 0.0000,
0.0000

■ 45.7987, 0.3837,
0.5276

■ 45.7987, 0.3837,
0.5276

■ 45.3560, 0.3822,
0.5347

■ 46.3163, 0.3832,
0.5165

■ 46.9113, 0.3801,
0.5008

■ 47.5948, 0.3746,
0.4810

■ 48.3743, 0.3669,
0.4579

■ 49.2566, 0.3575,
0.4327

■ 50.2477, 0.3469,
0.4064

■ 51.3532, 0.3357,
0.3799

■ 52.5782, 0.3242,
0.3541

■ 53.9274, 0.3130,
0.3295

Harmonies

Analogous

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



45.7987, 0.4708, 0.4685



45.7987, 0.3837, 0.5276



45.7987, 0.2847, 0.5176

Triad

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



45.7987, 0.3837, 0.5276



45.7987, 0.1374, 0.2106



45.7987, 0.4240, 0.2561

Complementary

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



45.7987, 0.3837, 0.5276



5.2034, 0.1700, 0.0762

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.



45.7987, 0.3097, 0.2052



45.7987, 0.3837, 0.5276



45.7987, 0.1594, 0.1775

Square

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



45.7987, 0.3837, 0.5276



45.7987, 0.1485, 0.2891



45.7987, 0.2159, 0.1777



45.7987, 0.5086, 0.3212

Rectangle

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



45.7987, 0.3837, 0.5276



45.7987, 0.2240, 0.4549



45.7987, 0.2159, 0.1777



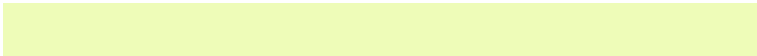
45.7987, 0.3862, 0.2370

Sweetspot

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



45.8008, 0.3837, 0.5276



91.5567, 0.3438, 0.3990



14.1563, 0.5930, 0.3544



19.9035, 0.3477, 0.4082



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.



45.8008, 0.3837, 0.5276



82.0452, 0.3816, 0.5352



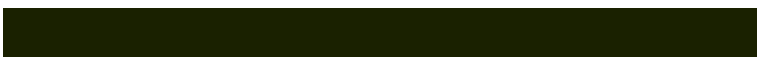
39.9957, 0.3185, 0.5778



11.6473, 0.3233, 0.3520



29.8515, 0.3827, 0.5343



1.3174, 0.3913, 0.5275

Inverse Universe

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



5.2034, 0.1700, 0.0762



7.8261, 0.1595, 0.0653



10.0686, 0.2536, 0.1213



9.8485, 0.3015, 0.3054



2.9012, 0.1616, 0.0664



0.1559, 0.1840, 0.0787

Previews

White Background



This preview shows how the Yxy color 45.7987, 0.3837, 0.5276 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 45.7987, 0.3837, 0.5276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

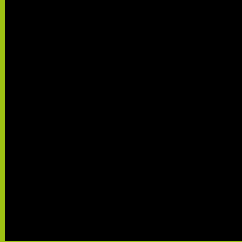
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7987, 0.3837, 0.5276

Background



This preview shows how black text looks on a background with the Yxy color 45.7987, 0.3837, 0.5276.



This preview shows how white text looks on a background with the Yxy color 45.7987, 0.3837, 0.5276.

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

45.7987, 0.3837, 0.5276

Protanopia

45.3681, 0.4394, 0.4859

Deuteranopia

45.4411, 0.4630, 0.4545



Tritanopia

45.4669, 0.2953, 0.3093

Trichromacy



Original Color

45.7987, 0.3837, 0.5276

Protanomaly

45.1715, 0.4185, 0.5017

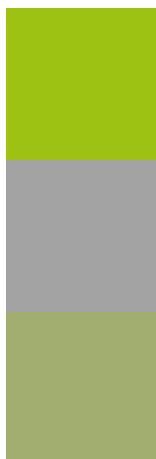
Deuteranomaly

44.7620, 0.4347, 0.4808

Tritanomaly

44.5521, 0.3397, 0.4049

Monochromacy



Original Color

45.7987, 0.3837, 0.5276

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.9969, 0.3534, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7987, 0.3837, 0.5276 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(157, 194, 19)` looks like.

```
.text, #text, p{  
    color:rgb(157, 194, 19)  
}
```

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(157, 194, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 194, 19) }
```

Border

The CSS property to change the border of an element to Yxy 45.7987, 0.3837, 0.5276 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(157, 194, 19) }
```

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

```
.border{ border-color:rgb(157, 194, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 194, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 194, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 194, 19);  
box-shadow:4px 4px 4px 4px rgb(157, 194,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7987, 0.3837, 0.5276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 194, 19) }
```

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

```
.background{ background-color: rgb(157,  
194, 19) }
```

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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