

Converting Colors

Yxy(61.5959, 0.4119, 0.5530)

Have a look what the booklet for
Yxy(61.5959, 0.4119, 0.5530)
contains.

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Color

Yxy(62.2628, 0.3960, 0.5238)

Conversions

Conversions Part 1

Format	Color
Hex	BFDC00
RGB	191, 220, 0
RGB Percent	75%, 86%, 0%
CMY	0.2511, 0.1372, 1.0000
CMYK	0.13, 0.00, 1.00, 0.14
HSL	68°, 100%, 43%
HSV	68°, 100%, 86%
XYZ	47.0715, 62.2628, 9.5332
YIQ	186.2490, 53.3360, -74.5680

Conversions

Conversions Part 2

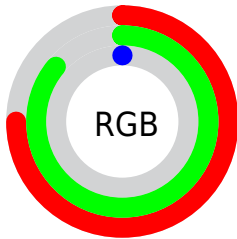
Format	Color
RYB	0, 220, 29
Decimal	12573696
CIELab	83.05, -31.36, 81.97
CIElCh	83, 87.768, 110.938
Yxy	62.2628, 0.3960, 0.5238
Android (android.graphics.Color)	4290763776 (0xFFBFDC00)
YUV	186.2490, -91.8208, 4.1666
Hunter-Lab	78.9068, -31.6034, 48.0716

Details

The Yxy color **62.2628, 0.3960, 0.5238** 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 **5.4301, 0.1545, 0.0625**, and the grayscale version is **49.7512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7338, 0.4003, 0.4802**, and **31.8158, 0.3847, 0.5328** is the 20% darker color. If you saturate the color by 10%, you get **62.2659, 0.3960, 0.5238**, and if you desaturate by 10%, it is **62.7042, 0.3963, 0.5182**.

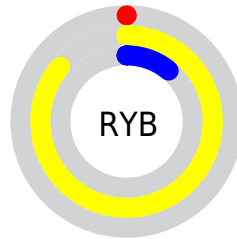
Distribution



Red (75%)

Green (86%)

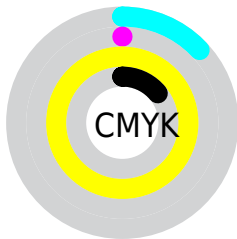
Blue (0%)



Red (0%)

Yellow (86%)

Blue (11%)

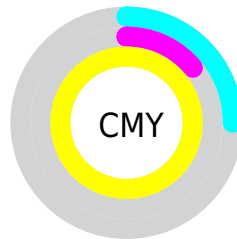


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (25%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.2628, 0.3960, 0.5238 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 62.2628, 0.3960, 0.5238 by changing the saturation by 10% instead.


 62.2628, 0.3960,
0.5238


 62.2628, 0.3960,
0.5238

432.8891, 0.3671,
0.4345

 45.2451, 0.3986,
0.5416


 108.1053, 0.3889,
0.4944


 31.6505, 0.3996,
0.5617


 137.6988, 0.3852,
0.4824


 21.0947, 0.3975,
0.5841


 172.2530, 0.3817,
0.4719

 13.1932, 0.3905,
0.6095


 212.1524, 0.3784,
0.4626

 7.5617, 0.3699,
0.6301

 257.7813, 0.3752,
0.4543

 3.8158, 0.3386,
0.6614

 309.5241, 0.3723,

 1.5711, 0.2790,

0.4470

0.7210

367.7652, 0.3696,
0.4404

■ 0.3380, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.2628, 0.3960,
0.5238

■ 62.2628, 0.3960,
0.5238

■ 62.2659, 0.3960,
0.5238

■ 62.7042, 0.3963,
0.5182

■ 63.2160, 0.3946,
0.5088

■ 63.8229, 0.3902,
0.4949

■ 64.5372, 0.3832,
0.4768

■ 65.3691, 0.3740,
0.4551

■ 66.3277, 0.3631,
0.4310

■ 67.4210, 0.3510,
0.4054

■ 68.6565, 0.3383,
0.3793

■ 70.0409, 0.3254,
0.3537

Harmonies

Analogous

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



62.2628, 0.4806, 0.4596



62.2628, 0.3960, 0.5238



62.2628, 0.2968, 0.5261

Triad

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



62.2628, 0.3960, 0.5238



62.2628, 0.1360, 0.2170



62.2628, 0.4106, 0.2481

Complementary

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



62.2628, 0.3960, 0.5238



5.4301, 0.1545, 0.0625

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.



62.2628, 0.2959, 0.1997



62.2628, 0.3960, 0.5238



62.2628, 0.1540, 0.1788

Square

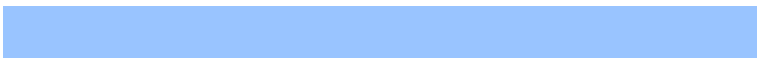
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.2628, 0.3960, 0.5238



62.2628, 0.1516, 0.3024



62.2628, 0.2061, 0.1753



62.2628, 0.5027, 0.3123

Rectangle

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



62.2628, 0.3960, 0.5238



62.2628, 0.2340, 0.4707



62.2628, 0.2061, 0.1753



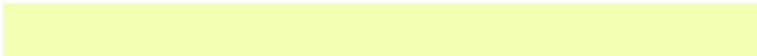
62.2628, 0.3719, 0.2297

Sweetspot

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



62.2659, 0.3960, 0.5238



94.1486, 0.3513, 0.4060



15.9422, 0.6314, 0.3369



20.0081, 0.3566, 0.4170



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.



62.2659, 0.3960, 0.5238



86.9435, 0.3958, 0.5239



53.0949, 0.3215, 0.5829



15.1721, 0.3247, 0.3522



36.5726, 0.3964, 0.5235



2.3941, 0.4003, 0.5203

Inverse Universe

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



5.4301, 0.1545, 0.0625



7.5546, 0.1541, 0.0623



10.3753, 0.2259, 0.1018



12.6992, 0.3001, 0.3050



3.2136, 0.1553, 0.0629



0.2356, 0.1671, 0.0694

Previews

White Background



This preview shows how the Yxy color 62.2628, 0.3960, 0.5238 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 62.2628, 0.3960, 0.5238 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 62.2628, 0.3960, 0.5238

Background



This preview shows how black text looks on a background with the Yxy color 62.2628, 0.3960, 0.5238.



This preview shows how white text looks on a background with the Yxy color 62.2628, 0.3960, 0.5238.

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

62.2628, 0.3960, 0.5238

Deuteranopia

61.8017, 0.4445, 0.4379

Tritanopia

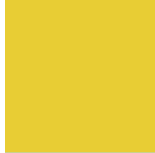
61.8161, 0.3039, 0.3097

Trichromacy



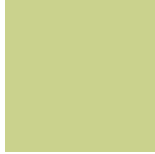
Original Color

62.2628, 0.3960, 0.5238



Deuteranomaly

61.0664, 0.4324, 0.4738



Tritanomaly

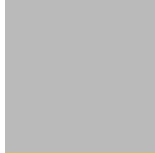
60.5728, 0.3554, 0.4123

Monochromacy



Original Color

62.2628, 0.3960, 0.5238



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

52.3875, 0.3638, 0.4311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2628, 0.3960, 0.5238 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(191, 220, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 220, 0)  
}
```

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(191, 220, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 220, 0) }
```

Border

The CSS property to change the border of an element to Yxy 62.2628, 0.3960, 0.5238 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(191, 220, 0) }
```

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

```
.border{ border-color:rgb(191, 220, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 220, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 220, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 220, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 220,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 62.2628, 0.3960, 0.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 220, 0) }
```

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

```
.background{ background-color: rgb(191,  
220, 0) }
```

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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