

Converting Colors

Yxy(63.8434, 0.3624, 0.5457)

Have a look what the booklet for
Yxy(63.8434, 0.3624, 0.5457)
contains.

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Color

Yxy(63.8122, 0.3621, 0.5459)

Conversions

Conversions Part 1

Format	Color
Hex	9DE614
RGB	157, 230, 20
RGB Percent	62%, 90%, 8%
CMY	0.3844, 0.0980, 0.9210
CMYK	0.32, 0.00, 0.91, 0.10
HSL	81°, 84%, 49%
HSV	81°, 91%, 90%
XYZ	42.3272, 63.8122, 10.7542
YIQ	184.2330, 23.9020, -80.7860

Conversions

Conversions Part 2

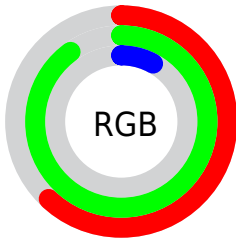
Format	Color
R _Y B	20, 230, 93
Decimal	10348052
CIE Lab	83.87, -48.64, 79.74
CIE LCh	84, 93.402, 121.384
Yxy	63.8122, 0.3621, 0.5459
Android (android.graphics.Color)	4288538132 (0xFF9DE614)
YUV	184.2330, -80.9669, -23.8833
Hunter-Lab	79.8825, -45.2131, 47.9358

Details

The Yxy color **63.8122, 0.3621, 0.5459** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **8.5553, 0.1849, 0.0830**, and the grayscale version is **48.5250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0799, 0.3743, 0.4909**, and **32.8688, 0.3459, 0.5636** is the 20% darker color. If you saturate the color by 10%, you get **63.0788, 0.3586, 0.5535**, and if you desaturate by 10%, it is **64.7710, 0.3642, 0.5331**.

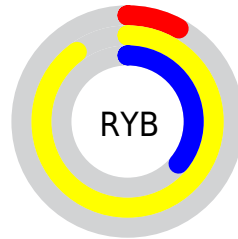
Distribution



Red (62%)

Green (90%)

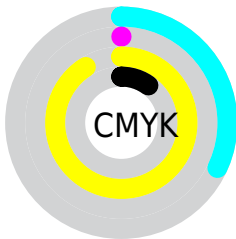
Blue (8%)



Red (8%)

Yellow (90%)

Blue (36%)

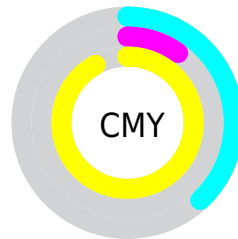


Cyan (32%)

Magenta (0%)

Yellow (91%)

Black (10%)



Cyan (38%)


Magenta (10%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8122, 0.3621, 0.5459 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 63.8122, 0.3621, 0.5459 by changing the saturation by 10% instead.

 63.8122, 0.3621,
0.5459


 63.8122, 0.3621,
0.5459

438.5111, 0.3496,
0.4421

 46.4986, 0.3611,
0.5682

 110.3404, 0.3607,
0.5105


 32.6394, 0.3576,
0.5942


 140.3238, 0.3592,
0.4965


 21.8504, 0.3497,
0.6241


 175.2993, 0.3576,
0.4843

 13.7470, 0.3368,
0.6632

 215.6512, 0.3559,
0.4736

 7.9449, 0.3057,
0.6943

 261.7639, 0.3543,
0.4643

 4.0597, 0.2594,
0.7406

 314.0219, 0.3526,

 1.7070, 0.1374,

0.4560

0.8626

372.8095, 0.3511,
0.4486

■ 0.4282, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8122, 0.3621,
0.5459

■ 63.8122, 0.3621,
0.5459

■ 63.0788, 0.3586,
0.5535

■ 64.7710, 0.3642,
0.5331

■ 65.8758, 0.3639,
0.5153

■ 67.1443, 0.3611,
0.4931

■ 68.5892, 0.3560,
0.4676

70.2214, 0.3492,
0.4402

72.0511, 0.3411,
0.4120

74.0872, 0.3323,
0.3841

76.3383, 0.3231,
0.3572

78.8123, 0.3138,
0.3320

Harmonies

Analogous

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



63.8122, 0.4586, 0.4902



63.8122, 0.3621, 0.5459



63.8122, 0.2591, 0.5139

Triad

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



63.8122, 0.3621, 0.5459



63.8122, 0.1319, 0.1928



63.8122, 0.4556, 0.2660

Complementary

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



63.8122, 0.3621, 0.5459



8.5553, 0.1849, 0.0830

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.



63.8122, 0.3354, 0.2092



63.8122, 0.3621, 0.5459



63.8122, 0.1620, 0.1678

Square

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



63.8122, 0.3621, 0.5459



63.8122, 0.1349, 0.2624



63.8122, 0.2291, 0.1748



63.8122, 0.5302, 0.3350

Rectangle

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



63.8122, 0.3621, 0.5459



63.8122, 0.1998, 0.4338



63.8122, 0.2291, 0.1748



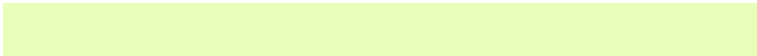
63.8122, 0.4174, 0.2451

Sweetspot

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



63.8150, 0.3621, 0.5459



92.0678, 0.3376, 0.4005



24.2050, 0.5687, 0.3779



19.5224, 0.3406, 0.4101



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.



63.8150, 0.3621, 0.5459



79.6567, 0.3583, 0.5537



57.4639, 0.3073, 0.5885



16.5531, 0.3214, 0.3526



35.7801, 0.3595, 0.5527



2.6952, 0.3684, 0.5457

Inverse Universe

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



8.5553, 0.1849, 0.0830



9.3303, 0.1748, 0.0736



17.8254, 0.2823, 0.1358



14.1298, 0.3034, 0.3051



4.2621, 0.1768, 0.0748



0.3652, 0.1929, 0.0836

Previews

White Background



This preview shows how the Yxy color 63.8122, 0.3621, 0.5459 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 63.8122, 0.3621, 0.5459 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 63.8122, 0.3621, 0.5459

Background



This preview shows how black text looks on a background with the Yxy color 63.8122, 0.3621, 0.5459.



This preview shows how white text looks on a background with the Yxy color 63.8122, 0.3621, 0.5459.

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

63.8122, 0.3621, 0.5459

Protanopia

63.2762, 0.4400, 0.4877

Deuteranopia

62.9331, 0.4357, 0.4302



Tritanopia

63.5660, 0.2785, 0.3090

Trichromacy



Original Color

63.8122, 0.3621, 0.5459

Protanomaly

62.9153, 0.4104, 0.5102

Deuteranomaly

61.5706, 0.4119, 0.4758

Tritanomaly

62.2901, 0.3213, 0.4131

Monochromacy



Original Color

63.8122, 0.3621, 0.5459

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

52.2272, 0.3465, 0.4311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8122, 0.3621, 0.5459 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, 230, 20)` looks like.

```
.text, #text, p{  
    color:rgb(157, 230, 20)  
}
```

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, 230, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 230, 20) }
```

Border

The CSS property to change the border of an element to Yxy 63.8122, 0.3621, 0.5459 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, 230, 20) }
```

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

```
.border{ border-color:rgb(157, 230, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 230, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 230, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 230, 20);  
box-shadow:4px 4px 4px 4px rgb(157, 230,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8122, 0.3621, 0.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 230, 20) }
```

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

```
.background{ background-color: rgb(157,  
230, 20) }
```

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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