

Converting Colors

$Y_{xy}(43.1617, 0.3565, 0.5441)$

Have a look what the booklet for
Yxy(43.1617, 0.3565, 0.5441)
contains.

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Color

Yxy(43.1747, 0.3561, 0.5445)

Conversions

Conversions Part 1

Format	Color
Hex	7FC21B
RGB	127, 194, 27
RGB Percent	50%, 76%, 11%
CMY	0.5022, 0.2392, 0.8941
CMYK	0.35, 0.00, 0.86, 0.24
HSL	84°, 76%, 43%
HSV	84°, 86%, 76%
XYZ	28.2360, 43.1747, 7.8817
YIQ	154.9290, 13.6750, -66.1410

Conversions

Conversions Part 2

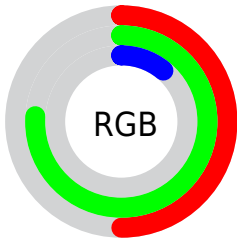
Format	Color
RYB	27, 194, 94
Decimal	8372763
CIELab	71.67, -44.28, 67.81
CIELCh	72, 80.985, 123.144
Yxy	43.1747, 0.3561, 0.5445
Android (android.graphics.Color)	4286562843 (0xFF7FC21B)
YUV	154.9290, -63.0690, -24.4937
Hunter-Lab	65.7075, -38.2825, 38.8833

Details

The Yxy color **43.1747, 0.3561, 0.5445** 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 **7.0628, 0.2009, 0.0962**, and the grayscale version is **33.0212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0640, 0.3550, 0.5041**, and **20.0214, 0.3372, 0.5705** is the 20% darker color. If you saturate the color by 10%, you get **42.5391, 0.3524, 0.5560**, and if you desaturate by 10%, it is **43.9191, 0.3575, 0.5279**.

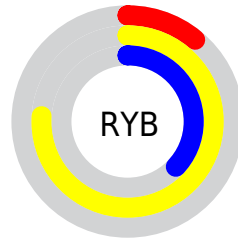
Distribution



Red (50%)

Green (76%)

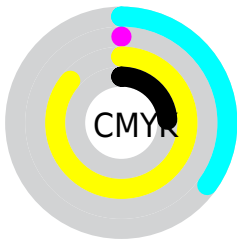
Blue (11%)



Red (11%)

Yellow (76%)

Blue (37%)

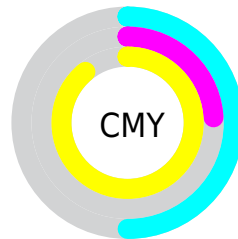


Cyan (35%)

Magenta (0%)

Yellow (86%)

Black (24%)



Cyan (50%)


Magenta (24%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1747, 0.3561, 0.5445 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 43.1747, 0.3561, 0.5445 by changing the saturation by 10% instead.

 43.1747, 0.3561,
0.5445


 43.1747, 0.3561,
0.5445


359.3297, 0.3443,
0.4331

 30.0222, 0.3545,
0.5708


 79.9744, 0.3550,
0.5045


 19.8554, 0.3494,
0.6024

 104.3904, 0.3536,
0.4892


 12.2900, 0.3403,
0.6449


 133.3298, 0.3520,
0.4762

 6.9415, 0.3146,
0.6854

 167.1768, 0.3503,
0.4651

 3.4255, 0.2678,
0.7322

 206.3159, 0.3487,
0.4555

 1.3577, 0.0979,
0.9021

 251.1315, 0.3471,

 0.1853, 0.0000,

0.4470

1.0000

302.0080, 0.3457,
0.4396

■ 0.0000, 0.0000,
0.0000

■ 43.1747, 0.3561,
0.5445

■ 43.1747, 0.3561,
0.5445

■ 42.5391, 0.3524,
0.5560

■ 43.9191, 0.3575,
0.5279

■ 42.3097, 0.3507,
0.5597

■ 44.7782, 0.3565,
0.5065

■ 45.7630, 0.3533,
0.4815

■ 46.8817, 0.3482,
0.4541

■ 48.1413, 0.3416,
0.4256

■ 49.5485, 0.3341,
0.3972

■ 51.1093, 0.3260,
0.3698

■ 52.8296, 0.3177,
0.3439

■ 54.7146, 0.3095,
0.3198

Harmonies

Analogous

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



43.1747, 0.4526, 0.4934



43.1747, 0.3561, 0.5445



43.1747, 0.2544, 0.5058

Triad

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



43.1747, 0.3561, 0.5445



43.1747, 0.1343, 0.1917



43.1747, 0.4601, 0.2706

Complementary

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



43.1747, 0.3561, 0.5445



7.0628, 0.2009, 0.0962

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.



43.1747, 0.3423, 0.2131



43.1747, 0.3561, 0.5445



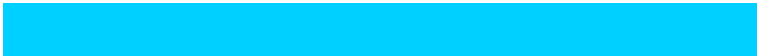
43.1747, 0.1662, 0.1689

Square

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



43.1747, 0.3561, 0.5445



43.1747, 0.1354, 0.2578



43.1747, 0.2352, 0.1775



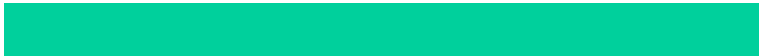
43.1747, 0.5296, 0.3396

Rectangle

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



43.1747, 0.3561, 0.5445



43.1747, 0.1968, 0.4243



43.1747, 0.2352, 0.1775



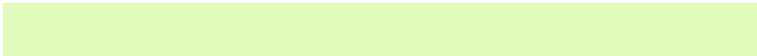
43.1747, 0.4231, 0.2496

Sweetspot

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



43.1766, 0.3561, 0.5445



89.6673, 0.3343, 0.3982



19.5211, 0.5355, 0.3954



19.4328, 0.3371, 0.4081



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.



43.1766, 0.3561, 0.5445



76.4902, 0.3497, 0.5605



39.1976, 0.3052, 0.5830



11.5501, 0.3204, 0.3522



27.8619, 0.3516, 0.5590



1.2431, 0.3667, 0.5471

Inverse Universe

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



7.0628, 0.2009, 0.0962



9.8453, 0.1829, 0.0781



14.0633, 0.2993, 0.1486



9.9409, 0.3045, 0.3056



3.6681, 0.1857, 0.0797



0.1986, 0.2119, 0.0941

Previews

White Background



This preview shows how the Yxy color 43.1747, 0.3561, 0.5445 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 43.1747, 0.3561, 0.5445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

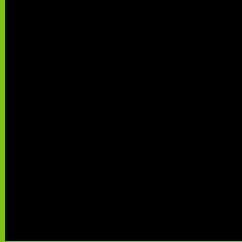
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.1747, 0.3561, 0.5445

Background



This preview shows how black text looks on a background with the Yxy color 43.1747, 0.3561, 0.5445.



This preview shows how white text looks on a background with the Yxy color 43.1747, 0.3561, 0.5445.

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

43.1747, 0.3561, 0.5445

Protanopia

42.5844, 0.4375, 0.4840

Deuteranopia

42.6775, 0.4606, 0.4505



Tritanopia

42.7857, 0.2751, 0.3081

Trichromacy



Original Color

43.1747, 0.3561, 0.5445

Protanomaly

42.2884, 0.4066, 0.5072

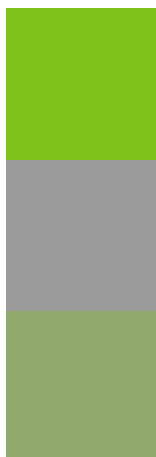
Deuteranomaly

41.6297, 0.4214, 0.4856

Tritanomaly

41.9946, 0.3140, 0.4061

Monochromacy



Original Color

43.1747, 0.3561, 0.5445

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

35.4784, 0.3419, 0.4245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1747, 0.3561, 0.5445 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(127, 194, 27)` looks like.

```
.text, #text, p{  
    color:rgb(127, 194, 27)  
}
```

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(127, 194, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 194, 27) }
```

Border

The CSS property to change the border of an element to Yxy 43.1747, 0.3561, 0.5445 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(127, 194, 27) }
```

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

```
.border{ border-color:rgb(127, 194, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 194, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 194, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 194, 27);  
box-shadow:4px 4px 4px 4px rgb(127, 194,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1747, 0.3561, 0.5445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 194, 27) }
```

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

```
.background{ background-color: rgb(127,  
194, 27) }
```

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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