

Converting Colors

$Y_{xy}(50.7598, 0.3092, 0.5797)$

Have a look what the booklet for
Yxy(50.7598, 0.3092, 0.5797)
contains.

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Color

Yxy(50.7541, 0.3091, 0.5797)

Conversions

Conversions Part 1

Format	Color
Hex	3ED920
RGB	62, 217, 32
RGB Percent	24%, 85%, 13%
CMY	0.7567, 0.1490, 0.8745
CMYK	0.71, 0.00, 0.85, 0.15
HSL	110°, 74%, 49%
HSV	110°, 85%, 85%
XYZ	27.0624, 50.7541, 9.7358
YIQ	149.5650, -32.9950, -90.3950

Conversions

Conversions Part 2

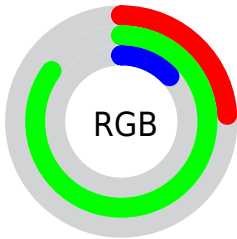
Format	Color
RYB	32, 217, 187
Decimal	4118816
CIELab	76.53, -69.90, 70.10
CIELCh	77, 98.994, 134.917
Yxy	50.7541, 0.3091, 0.5797
Android (android.graphics.Color)	4282308896 (0xFF3ED920)
YUV	149.5650, -57.9595, -76.7945
Hunter-Lab	71.2419, -56.8671, 41.7668

Details

The Yxy color **50.7541, 0.3091, 0.5797** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **16.6010, 0.2860, 0.1416**, and the grayscale version is **30.5728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2701, 0.3199, 0.5216**, and **25.4897, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **50.1815, 0.3058, 0.5925**, and if you desaturate by 10%, it is **51.6050, 0.3120, 0.5591**.

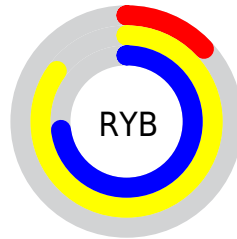
Distribution



Red (24%)

Green (85%)

Blue (13%)



Red (13%)

Yellow (85%)

Blue (73%)

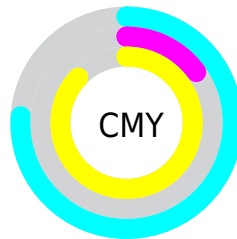


Cyan (71%)

Magenta (0%)

Yellow (85%)

Black (15%)



Cyan (76%)


Magenta (15%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7541, 0.3091, 0.5797 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 50.7541, 0.3091, 0.5797 by changing the saturation by 10% instead.


 50.7541, 0.3091,
0.5797


 50.7541, 0.3091,
0.5797


389.6077, 0.3224,
0.4484


 36.0129, 0.3015,
0.6115


 91.2912, 0.3171,
0.5320

 24.4442, 0.2894,
0.6505


 117.8559, 0.3191,
0.5140

 15.6635, 0.2698,
0.6986


 149.1306, 0.3204,
0.4987

 9.2863, 0.2390,
0.7610

 185.4997, 0.3213,
0.4856

 4.9284, 0.1837,
0.8163

 227.3475, 0.3218,
0.4744

 2.2053, 0.0147,
0.9853

 275.0586, 0.3221,

 0.7229, 0.0000,

0.4646

1.0000

329.0171, 0.3223,
0.4560

■ 0.0000, 0.0000,
0.0000

■ 50.7541, 0.3091,
0.5797

■ 50.7541, 0.3091,
0.5797

■ 50.1815, 0.3058,
0.5925

■ 51.6050, 0.3120,
0.5591

■ 49.9879, 0.3044,
0.5965

■ 52.7587, 0.3143,
0.5318

■ 54.2437, 0.3157,
0.5000

■ 56.0836, 0.3164,
0.4659

■ 58.2995, 0.3163,
0.4318

■ 60.9112, 0.3157,
0.3992

■ 63.9369, 0.3147,
0.3691

■ 67.3935, 0.3134,
0.3420

■ 71.2972, 0.3120,
0.3180

Harmonies

Analogous

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



50.7541, 0.4215, 0.5407



50.7541, 0.3091, 0.5797



50.7541, 0.2028, 0.4855

Triad

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



50.7541, 0.3091, 0.5797



50.7541, 0.1249, 0.1605



50.7541, 0.5239, 0.2892

Complementary

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



50.7541, 0.3091, 0.5797



16.6010, 0.2860, 0.1416

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.



50.7541, 0.4009, 0.2214



50.7541, 0.3091, 0.5797



50.7541, 0.1734, 0.1515

Square

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



50.7541, 0.3091, 0.5797



50.7541, 0.1116, 0.2096



50.7541, 0.2665, 0.1727



50.7541, 0.5642, 0.3652

Rectangle

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



50.7541, 0.3091, 0.5797



50.7541, 0.1514, 0.3735



50.7541, 0.2665, 0.1727



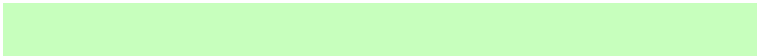
50.7541, 0.4894, 0.2654

Sweetspot

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



50.7562, 0.3091, 0.5797



87.3876, 0.3158, 0.4023



50.0444, 0.4422, 0.4762



18.4130, 0.3160, 0.4136



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.



50.7562, 0.3091, 0.5797



72.0002, 0.3041, 0.5967



50.7354, 0.2826, 0.5230



14.7073, 0.3140, 0.3530



30.2900, 0.3051, 0.5960



1.9943, 0.3146, 0.5884

Inverse Universe

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



16.6010, 0.2860, 0.1416



21.4525, 0.2793, 0.1312



18.1626, 0.4076, 0.2111



13.1622, 0.3112, 0.3058



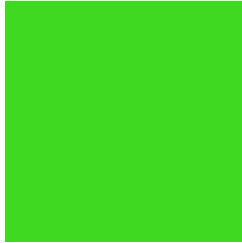
9.0735, 0.2803, 0.1318



0.6170, 0.2873, 0.1357

Previews

White Background



This preview shows how the Yxy color 50.7541, 0.3091, 0.5797 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 50.7541, 0.3091, 0.5797 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 50.7541, 0.3091, 0.5797

Background



This preview shows how black text looks on a background with the Yxy color 50.7541, 0.3091, 0.5797.



This preview shows how white text looks on a background with the Yxy color 50.7541, 0.3091, 0.5797.

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

50.7541, 0.3091, 0.5797

Protanopia

49.8772, 0.4371, 0.4845

Deuteranopia

49.7788, 0.4575, 0.4477



Tritanopia

50.4288, 0.2426, 0.3071

Trichromacy



Original Color

50.7541, 0.3091, 0.5797



Protanomaly

48.0895, 0.3791, 0.5282



Deuteranomaly

46.6752, 0.3918, 0.5028



Tritanomaly

49.0518, 0.2727, 0.4164

Monochromacy



Original Color

50.7541, 0.3091, 0.5797



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.1852, 0.3165, 0.4408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7541, 0.3091, 0.5797 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(62, 217, 32)` looks like.

```
.text, #text, p{  
    color:rgb(62, 217, 32)  
}
```

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(62, 217, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 217, 32) }
```

Border

The CSS property to change the border of an element to Yxy 50.7541, 0.3091, 0.5797 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(62, 217, 32) }
```

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

```
.border{ border-color:rgb(62, 217, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 217, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 217, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 217, 32);  
box-shadow:4px 4px 4px 4px rgb(62, 217,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7541, 0.3091, 0.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 217, 32) }
```

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

```
.background{ background-color: rgb(62, 217,  
32) }
```

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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