

Converting Colors

$Y_{xy}(57.2797, 0.3200, 0.5042)$

Have a look what the booklet for
Yxy(57.2797, 0.3200, 0.5042)
contains.

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Color

Yxy(57.2797, 0.3200, 0.5042)

Conversions

Conversions Part 1

Format	Color
Hex	7BDE5F
RGB	123, 222, 95
RGB Percent	48%, 87%, 37%
CMY	0.5177, 0.1294, 0.6274
CMYK	0.45, 0.00, 0.57, 0.13
HSL	107°, 66%, 62%
HSV	107°, 57%, 87%
XYZ	36.3536, 57.2797, 19.9718
YIQ	177.9210, -18.2370, -60.4850

Conversions

Conversions Part 2

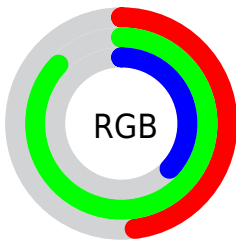
Format	Color
RYB	95, 222, 194
Decimal	8117855
CIELab	80.34, -52.30, 52.46
CIELCh	80, 74.078, 134.912
Yxy	57.2797, 0.3200, 0.5042
Android (android.graphics.Color)	4286307935 (0xFF7BDE5F)
YUV	177.9210, -40.8801, -48.1657
Hunter-Lab	75.6834, -46.7054, 37.3325

Details

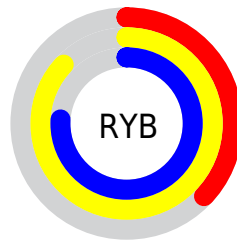
The Yxy color **57.2797, 0.3200, 0.5042** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **24.9399, 0.2901, 0.1829**, and the grayscale version is **44.7041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5137, 0.3254, 0.4511**, and **28.5225, 0.3141, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **55.7685, 0.3186, 0.5348**, and if you desaturate by 10%, it is **59.1366, 0.3203, 0.4710**.

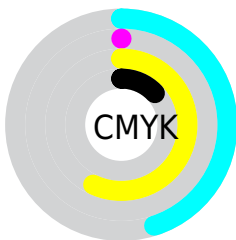
Distribution



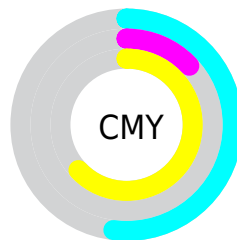
- Red (48%)
- Green (87%)
- Blue (37%)



- Red (37%)
- Yellow (87%)
- Blue (76%)



- Cyan (45%)
- Magenta (0%)
- Yellow (57%)
- Black (13%)




- Cyan (52%)
- Magenta (13%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2797, 0.3200, 0.5042 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 57.2797, 0.3200, 0.5042 by changing the saturation by 10% instead.


 57.2797, 0.3200,
0.5042


 57.2797, 0.3200,
0.5042


414.4966, 0.3217,
0.4142

 41.2298, 0.3177,
0.5266


 100.8732, 0.3220,
0.4714


 28.4987, 0.3137,
0.5548


 129.1856, 0.3223,
0.4590

 18.7019, 0.3066,
0.5913


 162.3544, 0.3224,
0.4486

 11.4551, 0.2934,
0.6390

 200.7638, 0.3224,
0.4397

 6.3738, 0.2765,
0.7235

244.7984, 0.3222,
0.4320

 3.0737, 0.2193,
0.7807

294.8424, 0.3221,

 1.1703, 0.0000,

0.4253

1.0000

351.2803, 0.3219,
0.4194

■ 0.0373, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2797, 0.3200,
0.5042

■ 57.2797, 0.3200,
0.5042

■ 55.7685, 0.3186,
0.5348

■ 59.1366, 0.3203,
0.4710

■ 54.5737, 0.3161,
0.5606


■ 61.3518, 0.3197,
0.4374


■ 53.6730, 0.3126,
0.5798

■ 63.9461, 0.3183,
0.4049

■ 53.0364, 0.3085,
0.5915

■ 66.9365, 0.3165,
0.3746

 52.8959, 0.3075,
0.5940

 70.3389, 0.3144,
0.3470

 74.1684, 0.3121,
0.3224

 78.4394, 0.3097,
0.3006

 80.7261, 0.3142,
0.2970

Harmonies

Analogous

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



57.2797, 0.4074, 0.4936



57.2797, 0.3200, 0.5042



57.2797, 0.2353, 0.4365

Triad

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



57.2797, 0.3200, 0.5042



57.2797, 0.1644, 0.1995



57.2797, 0.4660, 0.3042

Complementary

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



57.2797, 0.3200, 0.5042



24.9399, 0.2901, 0.1829

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.



57.2797, 0.3785, 0.2472



57.2797, 0.3200, 0.5042



57.2797, 0.2060, 0.1895

Square

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



57.2797, 0.3200, 0.5042



57.2797, 0.1543, 0.2434



57.2797, 0.2805, 0.2067



57.2797, 0.5015, 0.3692

Rectangle

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



57.2797, 0.3200, 0.5042



57.2797, 0.1924, 0.3641



57.2797, 0.2805, 0.2067



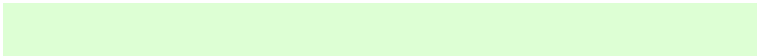
57.2797, 0.4409, 0.2840

Sweetspot

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



57.2821, 0.3200, 0.5042



91.6582, 0.3165, 0.3744



54.2227, 0.4125, 0.4374



19.4315, 0.3169, 0.3803



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.



57.2821, 0.3200, 0.5042



75.9215, 0.3181, 0.5413



56.2624, 0.2880, 0.4657



15.4820, 0.3149, 0.3530



31.4572, 0.3083, 0.5934



2.2198, 0.3187, 0.5851

Inverse Universe

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



24.9399, 0.2901, 0.1829



27.4590, 0.2830, 0.1578



27.3568, 0.3570, 0.2255



13.7755, 0.3103, 0.3057



8.4694, 0.2659, 0.1239



0.6251, 0.2748, 0.1288

Previews

White Background



This preview shows how the Yxy color 57.2797, 0.3200, 0.5042 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 57.2797, 0.3200, 0.5042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

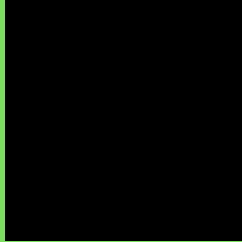
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.2797, 0.3200, 0.5042

Background



This preview shows how black text looks on a background with the Yxy color 57.2797, 0.3200, 0.5042.



This preview shows how white text looks on a background with the Yxy color 57.2797, 0.3200, 0.5042.

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

57.2797, 0.3200, 0.5042

Protanopia

56.3084, 0.4112, 0.4499

Deuteranopia

56.4494, 0.4269, 0.4180



Tritanopia

56.7510, 0.2610, 0.3075

Trichromacy



Original Color

57.2797, 0.3200, 0.5042



Protanomaly

55.6953, 0.3739, 0.4711



Deuteranomaly

54.8550, 0.3833, 0.4493



Tritanomaly

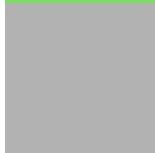
56.2061, 0.2835, 0.3766

Monochromacy



Original Color

57.2797, 0.3200, 0.5042



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.9908, 0.3176, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2797, 0.3200, 0.5042 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(123, 222, 95)` looks like.

```
.text, #text, p{  
    color:rgb(123, 222, 95)  
}
```

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(123, 222, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 222, 95) }
```

Border

The CSS property to change the border of an element to Yxy 57.2797, 0.3200, 0.5042 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(123, 222, 95) }
```

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

```
.border{ border-color:rgb(123, 222, 95) }
```

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

Here you see how a box with a 4 pixel rgb(123, 222, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 222, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 222, 95);  
box-shadow:4px 4px 4px 4px rgb(123, 222,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2797, 0.3200, 0.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 222, 95) }
```

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

```
.background{ background-color: rgb(123,  
222, 95) }
```

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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