

Converting Colors

$Yxy(62.7653, 0.3188, 0.5103)$

Have a look what the booklet for
Yxy(62.7653, 0.3188, 0.5103)
contains.

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Color

Yxy(62.8428, 0.3187, 0.5099)

Conversions

Conversions Part 1

Format	Color
Hex	7CE860
RGB	124, 232, 96
RGB Percent	49%, 91%, 38%
CMY	0.5138, 0.0902, 0.6235
CMYK	0.47, 0.00, 0.59, 0.09
HSL	108°, 75%, 64%
HSV	108°, 59%, 91%
XYZ	39.2783, 62.8428, 21.1243
YIQ	184.2040, -20.7120, -65.1920

Conversions

Conversions Part 2

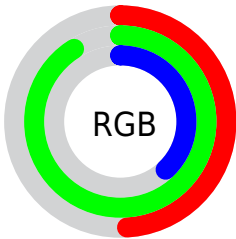
Format	Color
RYB	96, 232, 204
Decimal	8185952
CIELab	83.36, -55.85, 55.53
CIElCh	83, 78.755, 135.164
Yxy	62.8428, 0.3187, 0.5099
Android (android.graphics.Color)	4286376032 (0xFF7CE860)
YUV	184.2040, -43.4846, -52.7989
Hunter-Lab	79.2735, -50.2856, 39.6922

Details

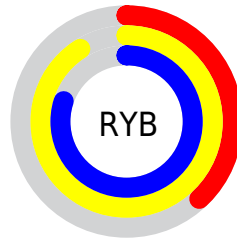
The Yxy color **62.8428, 0.3187, 0.5099** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **27.0315, 0.2911, 0.1803**, and the grayscale version is **48.3043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7893, 0.3261, 0.4495**, and **31.8768, 0.3121, 0.5595** is the 20% darker color. If you saturate the color by 10%, you get **61.2326, 0.3171, 0.5401**, and if you desaturate by 10%, it is **64.8409, 0.3193, 0.4767**.

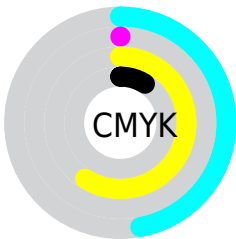
Distribution



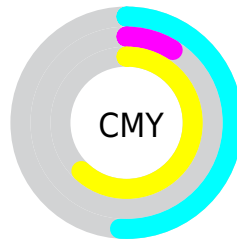
- Red (49%)
- Green (91%)
- Blue (38%)



- Red (38%)
- Yellow (91%)
- Blue (80%)



- Cyan (47%)
- Magenta (0%)
- Yellow (59%)
- Black (9%)





- Cyan (51%)
- Magenta (9%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8428, 0.3187, 0.5099 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 62.8428, 0.3187, 0.5099 by changing the saturation by 10% instead.


 62.8428, 0.3187,
0.5099


 62.8428, 0.3187,
0.5099


434.9988, 0.3214,
0.4183


 45.7140, 0.3162,
0.5322


 108.9427, 0.3211,
0.4768


 32.0202, 0.3119,
0.5602


 138.6826, 0.3215,
0.4643

 21.3770, 0.3045,
0.5958


 173.3951, 0.3218,
0.4537

 13.3998, 0.2914,
0.6417

 213.4644, 0.3218,
0.4446

 7.7044, 0.2725,
0.7146

259.2750, 0.3218,
0.4367

 3.9064, 0.2229,
0.7771

311.2114, 0.3217,

 1.6213, 0.0255,

0.4298

0.9745

369.6578, 0.3216,
0.4237

0.3719, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.8428, 0.3187,
0.5099

62.8428, 0.3187,
0.5099

61.2326, 0.3171,
0.5401

64.8409, 0.3193,
0.4767

59.9764, 0.3144,
0.5651


67.2422, 0.3190,
0.4428

59.0478, 0.3109,
0.5831

70.0707, 0.3179,
0.4098


58.4092, 0.3070,
0.5937


73.3462, 0.3164,
0.3790

 58.3391, 0.3065,
0.5948

 77.0872, 0.3145,
0.3509

 81.3112, 0.3124,
0.3257

 85.8139, 0.3124,
0.3067

 86.1970, 0.3138,
0.3068

Harmonies

Analogous

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



62.8428, 0.4084, 0.4982



62.8428, 0.3187, 0.5099



62.8428, 0.2321, 0.4393

Triad

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



62.8428, 0.3187, 0.5099



62.8428, 0.1611, 0.1959



62.8428, 0.4712, 0.3037

Complementary

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



62.8428, 0.3187, 0.5099



27.0315, 0.2911, 0.1803

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.



62.8428, 0.3812, 0.2455



62.8428, 0.3187, 0.5099



62.8428, 0.2038, 0.1862

Square

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



62.8428, 0.3187, 0.5099



62.8428, 0.1504, 0.2401



62.8428, 0.2801, 0.2040



62.8428, 0.5068, 0.3699

Rectangle

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



62.8428, 0.3187, 0.5099



62.8428, 0.1885, 0.3639



62.8428, 0.2801, 0.2040



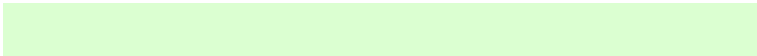
62.8428, 0.4455, 0.2830

Sweetspot

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



62.8455, 0.3187, 0.5099



91.1181, 0.3163, 0.3774



60.4953, 0.4138, 0.4419



19.2344, 0.3168, 0.3861



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.



62.8455, 0.3187, 0.5099



75.5750, 0.3167, 0.5449



61.9397, 0.2866, 0.4669



16.2313, 0.3147, 0.3531



32.4285, 0.3073, 0.5942



2.4354, 0.3168, 0.5866

Inverse Universe

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



27.0315, 0.2911, 0.1803



27.4046, 0.2848, 0.1572



29.3933, 0.3614, 0.2253



14.4576, 0.3105, 0.3056



8.9646, 0.2694, 0.1258



0.7003, 0.2773, 0.1301

Previews

White Background



This preview shows how the Yxy color 62.8428, 0.3187, 0.5099 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 62.8428, 0.3187, 0.5099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

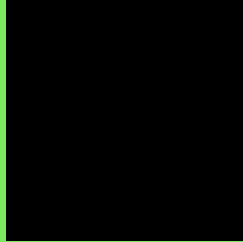
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

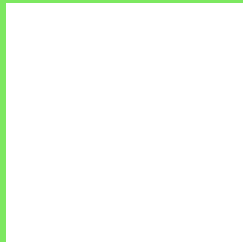
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8428, 0.3187, 0.5099

Background



This preview shows how black text looks on a background with the Yxy color 62.8428, 0.3187, 0.5099.



This preview shows how white text looks on a background with the Yxy color 62.8428, 0.3187, 0.5099.

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

62.8428, 0.3187, 0.5099

Protanopia

61.9882, 0.4128, 0.4538

Deuteranopia

61.8558, 0.4286, 0.4203



Tritanopia

62.6250, 0.2591, 0.3082

Trichromacy



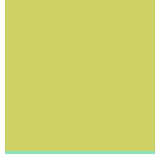
Original Color

62.8428, 0.3187, 0.5099



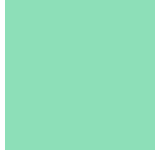
Protanomaly

60.9434, 0.3744, 0.4761



Deuteranomaly

60.1743, 0.3839, 0.4539



Tritanomaly

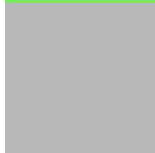
61.8988, 0.2827, 0.3802

Monochromacy



Original Color

62.8428, 0.3187, 0.5099



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.7217, 0.3172, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8428, 0.3187, 0.5099 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(124, 232, 96)` looks like.

```
.text, #text, p{  
    color:rgb(124, 232, 96)  
}
```

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(124, 232, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 232, 96) }
```

Border

The CSS property to change the border of an element to Yxy 62.8428, 0.3187, 0.5099 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(124, 232, 96) }
```

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

```
.border{ border-color:rgb(124, 232, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 232, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 232, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 232, 96);  
box-shadow:4px 4px 4px 4px rgb(124, 232,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8428, 0.3187, 0.5099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 232, 96) }
```

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

```
.background{ background-color: rgb(124,  
232, 96) }
```

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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