

Converting Colors

Yxy(62.0196, 0.3268, 0.5171)

Have a look what the booklet for
Yxy(62.0196, 0.3268, 0.5171)
contains.

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Color

Yxy(62.0113, 0.3268, 0.5172)

Conversions

Conversions Part 1

Format	Color
Hex	82E656
RGB	130, 230, 86
RGB Percent	51%, 90%, 34%
CMY	0.4902, 0.0980, 0.6628
CMYK	0.43, 0.00, 0.63, 0.10
HSL	102°, 74%, 62%
HSV	102°, 63%, 90%
XYZ	39.1827, 62.0113, 18.7041
YIQ	183.6840, -13.3760, -65.9840

Conversions

Conversions Part 2

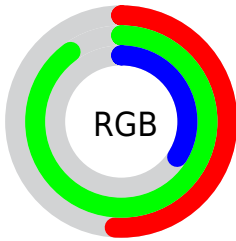
Format	Color
RYB	86, 230, 186
Decimal	8578646
CIELab	82.92, -54.25, 59.37
CIELCh	83, 80.426, 132.420
Yxy	62.0113, 0.3268, 0.5172
Android (android.graphics.Color)	4286768726 (0xFF82E656)
YUV	183.6840, -48.1582, -47.0809
Hunter-Lab	78.7473, -48.9905, 41.0405

Details

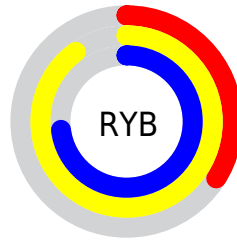
The Yxy color **62.0113, 0.3268, 0.5172** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **22.8031, 0.2744, 0.1653**, and the grayscale version is **48.0268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2619, 0.3345, 0.4579**, and **31.6488, 0.3208, 0.5688** is the 20% darker color. If you saturate the color by 10%, you get **60.5345, 0.3251, 0.5446**, and if you desaturate by 10%, it is **63.8086, 0.3270, 0.4862**.

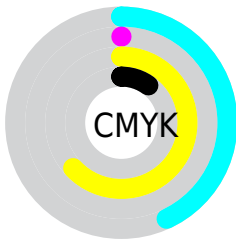
Distribution



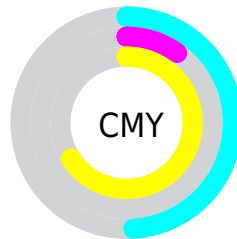
- Red (51%)
- Green (90%)
- Blue (34%)



- Red (34%)
- Yellow (90%)
- Blue (73%)



- Cyan (43%)
- Magenta (0%)
- Yellow (63%)
- Black (10%)





- Cyan (49%)
- Magenta (10%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.0113, 0.3268, 0.5172 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 62.0113, 0.3268, 0.5172 by changing the saturation by 10% instead.


 62.0113, 0.3268,
0.5172


 62.0113, 0.3268,
0.5172


431.9723, 0.3264,
0.4223

 45.0418, 0.3247,
0.5400


 107.7419, 0.3283,
0.4831

 31.4904, 0.3208,
0.5684


 137.2717, 0.3283,
0.4701

 20.9725, 0.3135,
0.6041


 171.7572, 0.3282,
0.4591

 13.1039, 0.3001,
0.6492

 211.5827, 0.3279,
0.4496

 7.5002, 0.2803,
0.7197

257.1325, 0.3276,
0.4414

 3.7768, 0.2274,
0.7726

308.7912, 0.3272,

 1.5495, 0.0221,

0.4342

0.9779

366.9429, 0.3268,
0.4279

0.3232, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.0113, 0.3268,
0.5172

62.0113, 0.3268,
0.5172

60.5345, 0.3251,
0.5446

63.8086, 0.3270,
0.4862

59.3494, 0.3219,
0.5665


65.9373, 0.3258,
0.4537


58.4346, 0.3174,
0.5817


68.4171, 0.3236,
0.4213


57.9094, 0.3138,
0.5891

71.2640, 0.3207,
0.3903

 74.4928, 0.3173,
0.3615

 78.1176, 0.3137,
0.3354

 82.1516, 0.3100,
0.3120

 85.0758, 0.3138,
0.3048

Harmonies

Analogous

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



62.0113, 0.4175, 0.4974



62.0113, 0.3268, 0.5172



62.0113, 0.2372, 0.4523

Triad

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



62.0113, 0.3268, 0.5172



62.0113, 0.1559, 0.1956



62.0113, 0.4686, 0.2969

Complementary

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



62.0113, 0.3268, 0.5172



22.8031, 0.2744, 0.1653

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.



62.0113, 0.3730, 0.2390



62.0113, 0.3268, 0.5172



62.0113, 0.1960, 0.1830

Square

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



62.0113, 0.3268, 0.5172



62.0113, 0.1479, 0.2439



62.0113, 0.2707, 0.1988



62.0113, 0.5109, 0.3636

Rectangle

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



62.0113, 0.3268, 0.5172



62.0113, 0.1908, 0.3755



62.0113, 0.2707, 0.1988



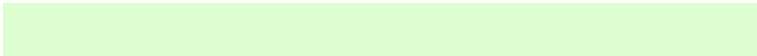
62.0113, 0.4407, 0.2762

Sweetspot

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



62.0140, 0.3268, 0.5172



91.4318, 0.3195, 0.3799



51.9418, 0.4309, 0.4343



19.3278, 0.3205, 0.3884



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.



62.0140, 0.3268, 0.5172



76.0403, 0.3244, 0.5514



59.7521, 0.2924, 0.4981



16.3017, 0.3162, 0.3530



32.8401, 0.3148, 0.5883



2.4742, 0.3257, 0.5796

Inverse Universe

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



22.8031, 0.2744, 0.1653



22.6668, 0.2638, 0.1398



27.8172, 0.3483, 0.2070



14.3826, 0.3089, 0.3055



7.5148, 0.2451, 0.1124



0.6036, 0.2564, 0.1186

Previews

White Background



This preview shows how the Yxy color 62.0113, 0.3268, 0.5172 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 62.0113, 0.3268, 0.5172 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 62.0113, 0.3268, 0.5172

Background



This preview shows how black text looks on a background with the Yxy color 62.0113, 0.3268, 0.5172.



This preview shows how white text looks on a background with the Yxy color 62.0113, 0.3268, 0.5172.

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

62.0113, 0.3268, 0.5172

Protanopia

61.3651, 0.4181, 0.4598

Deuteranopia

60.7574, 0.4363, 0.4266



Tritanopia

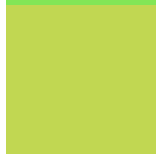
61.4526, 0.2624, 0.3070

Trichromacy



Original Color

62.0113, 0.3268, 0.5172



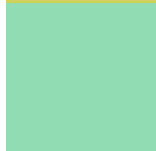
Protanomaly

60.5475, 0.3810, 0.4824



Deuteranomaly

59.2944, 0.3924, 0.4607



Tritanomaly

60.5927, 0.2878, 0.3817

Monochromacy



Original Color

62.0113, 0.3268, 0.5172



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.8039, 0.3216, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.0113, 0.3268, 0.5172 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(130, 230, 86)` looks like.

```
.text, #text, p{  
    color:rgb(130, 230, 86)  
}
```

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(130, 230, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 230, 86) }
```

Border

The CSS property to change the border of an element to Yxy 62.0113, 0.3268, 0.5172 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(130, 230, 86) }
```

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

```
.border{ border-color:rgb(130, 230, 86) }
```

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

Here you see how a box with a 4 pixel rgb(130, 230, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 230, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 230, 86);  
box-shadow:4px 4px 4px 4px rgb(130, 230,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 62.0113, 0.3268, 0.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 230, 86) }
```

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

```
.background{ background-color: rgb(130,  
230, 86) }
```

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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