

Converting Colors

Yxy(63.4826, 0.3446, 0.4913)

Have a look what the booklet for
Yxy(63.4826, 0.3446, 0.4913)
contains.

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Color

Yxy(63.4826, 0.3446, 0.4913)

Conversions

Conversions Part 1

Format	Color
Hex	A2E361
RGB	162, 227, 97
RGB Percent	64%, 89%, 38%
CMY	0.3647, 0.1098, 0.6198
CMYK	0.29, 0.00, 0.57, 0.11
HSL	90°, 70%, 64%
HSV	90°, 57%, 89%
XYZ	44.5270, 63.4826, 21.2039
YIQ	192.7450, 2.9900, -54.2100

Conversions

Conversions Part 2

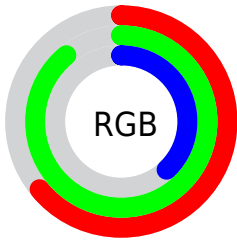
Format	Color
R _Y B	97, 227, 162
Decimal	10675041
CIE Lab	83.70, -41.40, 55.96
CIE LCh	84, 69.609, 126.490
Yxy	63.4826, 0.3446, 0.4913
Android (android.graphics.Color)	4288865121 (0xFFA2E361)
YUV	192.7450, -47.2023, -26.9634
Hunter-Lab	79.6760, -39.6781, 39.9945

Details

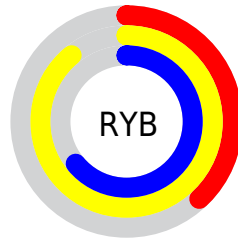
The Yxy color **63.4826, 0.3446, 0.4913** is a light color, and the websafe version is hex **99CC33**. A complement of this color would be **21.7633, 0.2542, 0.1675**, and the grayscale version is **53.4521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9700, 0.3498, 0.4393**, and **32.3572, 0.3452, 0.5338** is the 20% darker color. If you saturate the color by 10%, you get **61.9859, 0.3460, 0.5178**, and if you desaturate by 10%, it is **65.2132, 0.3413, 0.4623**.

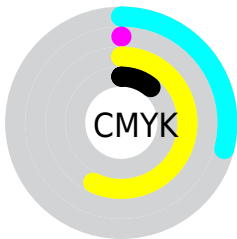
Distribution



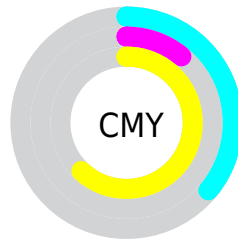
- Red (64%)
- Green (89%)
- Blue (38%)



- Red (38%)
- Yellow (89%)
- Blue (64%)



- Cyan (29%)
- Magenta (0%)
- Yellow (57%)
- Black (11%)





- Cyan (36%)
- Magenta (11%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4826, 0.3446, 0.4913 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 63.4826, 0.3446, 0.4913 by changing the saturation by 10% instead.


 63.4826, 0.3446,
0.4913


 63.4826, 0.3446,
0.4913


437.3188, 0.3342,
0.4109


 46.2317, 0.3453,
0.5103

 109.8655, 0.3422,
0.4627


 32.4287, 0.3452,
0.5338


 139.7662, 0.3409,
0.4518

 21.6892, 0.3432,
0.5633


 174.6525, 0.3396,
0.4424

 13.6287, 0.3373,
0.6006

 214.9085, 0.3384,
0.4344

 7.8629, 0.3288,
0.6587

260.9188, 0.3372,
0.4274

 4.0073, 0.2928,
0.7072

313.0676, 0.3362,

 1.6777, 0.2042,

0.4212

0.7958

371.7395, 0.3352,
0.4158

0.4091, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.4826, 0.3446,
0.4913

63.4826, 0.3446,
0.4913

61.9859, 0.3460,
0.5178

65.2132, 0.3413,
0.4623

60.7012, 0.3452,
0.5403


67.1814, 0.3366,
0.4322


59.6160, 0.3422,
0.5575

69.4011, 0.3308,
0.4024


58.7106, 0.3372,
0.5690


71.8826, 0.3243,
0.3739


 58.4884, 0.3357,
0.5716

 74.6355, 0.3176,
0.3471

 77.6689, 0.3109,
0.3226

 80.9361, 0.3049,
0.3011

 82.9998, 0.3125,
0.3018

 83.4205, 0.3140,
0.3019

Harmonies

Analogous

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



63.4826, 0.4218, 0.4691



63.4826, 0.3446, 0.4913



63.4826, 0.2633, 0.4487

Triad

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



63.4826, 0.3446, 0.4913



63.4826, 0.1696, 0.2181



63.4826, 0.4332, 0.2913

Complementary

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



63.4826, 0.3446, 0.4913



21.7633, 0.2542, 0.1675

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.



63.4826, 0.3473, 0.2412



63.4826, 0.3446, 0.4913



63.4826, 0.2005, 0.1997

Square

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



63.4826, 0.3446, 0.4913



63.4826, 0.1688, 0.2699



63.4826, 0.2615, 0.2088



63.4826, 0.4817, 0.3510

Rectangle

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



63.4826, 0.3446, 0.4913



63.4826, 0.2179, 0.3891



63.4826, 0.2615, 0.2088



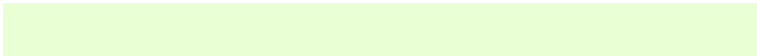
63.4826, 0.4069, 0.2731

Sweetspot

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



63.4854, 0.3446, 0.4913



93.6360, 0.3242, 0.3734



42.2704, 0.4389, 0.4001



19.8959, 0.3256, 0.3790



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.



63.4854, 0.3446, 0.4913



80.3081, 0.3460, 0.5230



58.4623, 0.3051, 0.5128



16.4415, 0.3191, 0.3528



34.1785, 0.3368, 0.5708



2.5809, 0.3479, 0.5620

Inverse Universe

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



21.7633, 0.2542, 0.1675



21.0327, 0.2380, 0.1361



30.0687, 0.3168, 0.1939



14.2392, 0.3058, 0.3053



5.3685, 0.2025, 0.0889



0.4519, 0.2183, 0.0976

Previews

White Background



This preview shows how the Yxy color 63.4826, 0.3446, 0.4913 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 63.4826, 0.3446, 0.4913 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 63.4826, 0.3446, 0.4913

Background



This preview shows how black text looks on a background with the Yxy color 63.4826, 0.3446, 0.4913.



This preview shows how white text looks on a background with the Yxy color 63.4826, 0.3446, 0.4913.

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

63.4826, 0.3446, 0.4913

Protanopia

62.8560, 0.4122, 0.4514

Deuteranopia

62.7097, 0.4289, 0.4196



Tritanopia

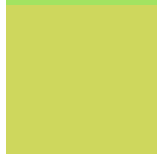
63.1254, 0.2797, 0.3090

Trichromacy



Original Color

63.4826, 0.3446, 0.4913



Protanomaly

62.5130, 0.3862, 0.4667



Deuteranomaly

61.9524, 0.3964, 0.4460



Tritanomaly

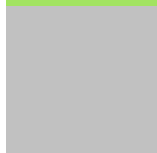
62.5189, 0.3050, 0.3741

Monochromacy



Original Color

63.4826, 0.3446, 0.4913



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.0763, 0.3283, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4826, 0.3446, 0.4913 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(162, 227, 97)` looks like.

```
.text, #text, p{  
    color:rgb(162, 227, 97)  
}
```

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(162, 227, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 227, 97) }
```

Border

The CSS property to change the border of an element to Yxy 63.4826, 0.3446, 0.4913 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(162, 227, 97) }
```

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

```
.border{ border-color:rgb(162, 227, 97) }
```

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

Here you see how a box with a 4 pixel rgb(162, 227, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 227, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 227, 97);  
box-shadow:4px 4px 4px 4px rgb(162, 227,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4826, 0.3446, 0.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 227, 97) }
```

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

```
.background{ background-color: rgb(162,  
227, 97) }
```

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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