

Converting Colors

$Yxy(44.2862, 0.3283, 0.4753)$

Have a look what the booklet for
Yxy(44.2862, 0.3283, 0.4753)
contains.

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Color

Yxy(44.1138, 0.3286, 0.4752)

Conversions

Conversions Part 1

Format	Color
Hex	81C261
RGB	129, 194, 97
RGB Percent	51%, 76%, 38%
CMY	0.4940, 0.2392, 0.6196
CMYK	0.33, 0.00, 0.50, 0.24
HSL	100°, 44%, 57%
HSV	100°, 50%, 76%
XYZ	30.5046, 44.1138, 18.2137
YIQ	163.5070, -7.6030, -43.9470

Conversions

Conversions Part 2

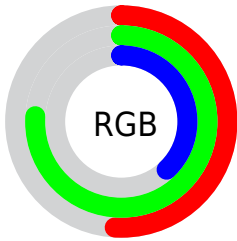
Format	Color
RYB	97, 194, 162
Decimal	8503905
CIELab	72.30, -38.29, 42.05
CIELCh	72, 56.873, 132.322
Yxy	44.1138, 0.3286, 0.4752
Android (android.graphics.Color)	4286693985 (0xFF81C261)
YUV	163.5070, -32.7880, -30.2626
Hunter-Lab	66.4182, -34.2502, 30.2339

Details

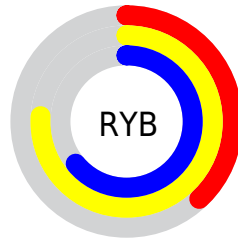
The Yxy color **44.1138, 0.3286, 0.4752** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **20.1214, 0.2822, 0.1964**, and the grayscale version is **37.0417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5107, 0.3280, 0.4455**, and **20.4573, 0.3262, 0.5217** is the 20% darker color. If you saturate the color by 10%, you get **42.8430, 0.3292, 0.5062**, and if you desaturate by 10%, it is **45.6063, 0.3268, 0.4432**.

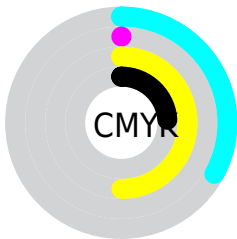
Distribution



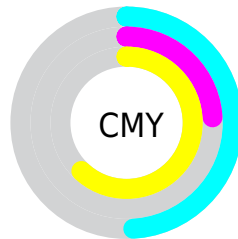
- Red (51%)
- Green (76%)
- Blue (38%)



- Red (38%)
- Yellow (76%)
- Blue (64%)



- Cyan (33%)
- Magenta (0%)
- Yellow (50%)
- Black (24%)





- Cyan (49%)
- Magenta (24%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1138, 0.3286, 0.4752 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 44.1138, 0.3286, 0.4752 by changing the saturation by 10% instead.


 44.1138, 0.3286,
0.4752


 44.1138, 0.3286,
0.4752


363.1725, 0.3241,
0.3975


 30.7600, 0.3282,
0.4956


 81.3890, 0.3280,
0.4461

 20.4162, 0.3267,
0.5222


 106.0791, 0.3274,
0.4354

 12.6979, 0.3228,
0.5577


 135.3168, 0.3268,
0.4265

 7.2209, 0.3133,
0.6065

 169.4864, 0.3262,
0.4189

 3.6006, 0.3010,
0.6990

208.9724, 0.3257,
0.4124

 1.4528, 0.1986,
0.8014

254.1592, 0.3251,

 0.2551, 0.0000,

0.4068

1.0000

305.4310, 0.3246,
0.4018

■ 0.0000, 0.0000,
0.0000

■ 44.1138, 0.3286,
0.4752

■ 44.1138, 0.3286,
0.4752

■ 42.8430, 0.3292,
0.5062

■ 45.6063, 0.3268,
0.4432

■ 41.7769, 0.3282,
0.5344

■ 47.3253, 0.3240,
0.4117

■ 40.9046, 0.3256,
0.5579

■ 49.2825, 0.3205,
0.3818

■ 40.2119, 0.3216,
0.5753

■ 51.4870, 0.3167,
0.3541

■ 39.6758, 0.3166,
0.5868

■ 53.9474, 0.3127,
0.3290

■ 56.6721, 0.3087,
0.3065

■ 59.6687, 0.3048,
0.2865

■ 62.9448, 0.3011,
0.2689

■ 65.3923, 0.3088,
0.2680

Harmonies

Analogous

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



44.1138, 0.4028, 0.4670



44.1138, 0.3286, 0.4752



44.1138, 0.2542, 0.4240

Triad

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



44.1138, 0.3286, 0.4752



44.1138, 0.1821, 0.2202



44.1138, 0.4362, 0.3050

Complementary

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



44.1138, 0.3286, 0.4752



20.1214, 0.2822, 0.1964

Split Complementary

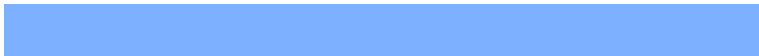
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.1138, 0.3615, 0.2551



44.1138, 0.3286, 0.4752



44.1138, 0.2170, 0.2078

Square

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



44.1138, 0.3286, 0.4752



44.1138, 0.1759, 0.2629



44.1138, 0.2797, 0.2207



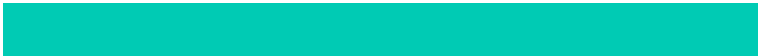
44.1138, 0.4719, 0.3626

Rectangle

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



44.1138, 0.3286, 0.4752



44.1138, 0.2148, 0.3671



44.1138, 0.2797, 0.2207



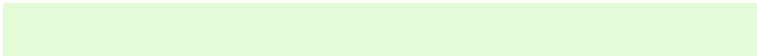
44.1138, 0.4143, 0.2871

Sweetspot

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



44.1157, 0.3286, 0.4752



91.1334, 0.3187, 0.3683



38.0551, 0.4050, 0.4136



19.7720, 0.3196, 0.3743



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.



44.1157, 0.3286, 0.4752



77.4213, 0.3291, 0.5090



42.3208, 0.2960, 0.4603



11.4167, 0.3165, 0.3524



26.1256, 0.3175, 0.5861



1.1668, 0.3357, 0.5716

Inverse Universe

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



20.1214, 0.2822, 0.1964



28.9784, 0.2730, 0.1691



23.2250, 0.3371, 0.2267



10.0755, 0.3086, 0.3059



5.7246, 0.2399, 0.1095



0.2836, 0.2585, 0.1197

Previews

White Background



This preview shows how the Yxy color 44.1138, 0.3286, 0.4752 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 44.1138, 0.3286, 0.4752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

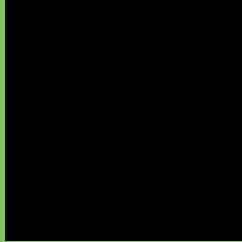
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.1138, 0.3286, 0.4752

Background



This preview shows how black text looks on a background with the Yxy color 44.1138, 0.3286, 0.4752.



This preview shows how white text looks on a background with the Yxy color 44.1138, 0.3286, 0.4752.

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

44.1138, 0.3286, 0.4752

Protanopia

43.8017, 0.4005, 0.4373

Deuteranopia

43.4316, 0.4165, 0.4067



Tritanopia

43.9639, 0.2720, 0.3082

Trichromacy



Original Color

44.1138, 0.3286, 0.4752

Protanomaly

43.3152, 0.3725, 0.4519

Deuteranomaly

42.5742, 0.3824, 0.4303

Tritanomaly

43.6028, 0.2935, 0.3672

Monochromacy



Original Color

44.1138, 0.3286, 0.4752

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

39.1327, 0.3200, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1138, 0.3286, 0.4752 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(129, 194, 97)` looks like.

```
.text, #text, p{  
    color:rgb(129, 194, 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(129, 194, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 194, 97) }
```

Border

The CSS property to change the border of an element to Yxy 44.1138, 0.3286, 0.4752 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(129, 194, 97) }
```

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

```
.border{ border-color:rgb(129, 194, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 194, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 194, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 194, 97);  
box-shadow:4px 4px 4px 4px rgb(129, 194,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1138, 0.3286, 0.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 194, 97) }
```

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

```
.background{ background-color: rgb(129,  
194, 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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