Converting Colors

Yxy(61.2230, 0.3054, 0.4579)

Have a look what the booklet for Yxy(61.2230, 0.3054, 0.4579) contains.

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Color

Yxy(61.3499, 0.3054, 0.4588)

Conversions

Conversions Part 1

Format	Color
Hex	82E384
RGB	130, 227, 132
RGB Percent	51%, 89%, 52%
CMY	0.4903, 0.1098, 0.4822
CMYK	0.43, 0.00, 0.42, 0.11
HSL	121°, 63%, 70%
HSV	121°, 43%, 89%
XYZ	40.8375, 61.3499, 31.5307
YIQ	187.1670, -27.3170, -50.1090

Conversions

Conversions Part 2

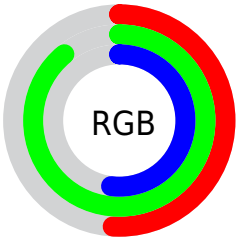
Format	Color
RYB	130, 225, 227
Decimal	8577924
CIELab	82.57, -47.56, 37.62
CIELCh	83, 60.645, 141.656
Yxy	61.3499, 0.3054, 0.4588
Android (android.graphics.Color)	4286768004 (0xFF82E384)
YUV	187.1670, -27.1973, -50.1355
Hunter-Lab	78.3262, -44.0049, 30.9607

Details

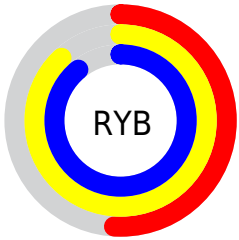
The Yxy color 61.3499, 0.3054, 0.4588 is a light color, and the websafe version is hex 66CC66. A complement of this color would be 37.7210, 0.3195, 0.2264, and the grayscale version is 49.9595, 0.3127, 0.3290.

A 20% lighter version of the original color is 85.6300, 0.3096, 0.4072, and 31.1364, 0.2996, 0.4963 is the 20% darker color. If you saturate the color by 10%, you get 59.2066, 0.3036, 0.4943, and if you desaturate by 10%, it is 64.0238, 0.3072, 0.4240.

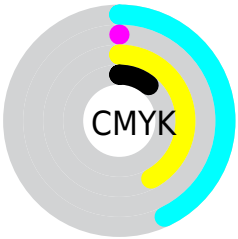
Distribution



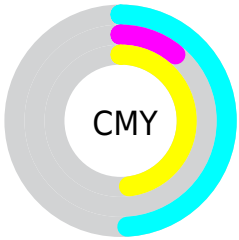
- Red (51%)
- Green (89%)
- Blue (52%)



- Red (51%)
- Yellow (88%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)



- Cyan (49%)
- Magenta (11%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3499, 0.3054, 0.4588 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 61.3499, 0.3054, 0.4588 by changing the saturation by 10% instead.

61.3499, 0.3054, 0.4588

61.3499, 0.3054, 0.4588

429.5558, 0.3115, 0.3928

44.5076, 0.3031, 0.4754

106.7854, 0.3082, 0.4347

31.0698, 0.2997, 0.4966

136.1474, 0.3091, 0.4257

20.6520, 0.2945, 0.5245

170.4514, 0.3098, 0.4180

12.8699, 0.2859, 0.5627

210.0819, 0.3103, 0.4115

7.3390, 0.2707, 0.6171

255.4231, 0.3107, 0.4059

3.6750, 0.2524, 0.7298

306.8596, 0.3110,

1.4935, 0.0974,

0.4009

0.9026

364.7757, 0.3113, 0.3966

0.2841, 0.0000, 1.0000

0.0000, 0.0000, 0.0000

61.3499, 0.3054, 0.4588

61.3499, 0.3054, 0.4588

59.2066, 0.3036, 0.4943

64.0238, 0.3072, 0.4240

57.5514, 0.3021, 0.5280

67.2521, 0.3091, 0.3913

56.3483, 0.3008, 0.5574

71.0663, 0.3108, 0.3617

55.5527, 0.3001, 0.5798

75.4935, 0.3123, 0.3356

55.1107, 0.2998, 0.5938

80.5590, 0.3137, 0.3128

54.9531, 0.2997, 0.5990

83.4225, 0.3140, 0.3019

Harmonies

Analogous

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

61.3499, 0.3788, 0.4688

61.3499, 0.3054, 0.4588

61.3499, 0.2379, 0.3952

Triad

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

61.3499, 0.3054, 0.4588

61.3499, 0.1945, 0.2179

61.3499, 0.4464, 0.3232

Complementary

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

61.3499, 0.3054, 0.4588

37.7210, 0.3195, 0.2264

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.

61.3499, 0.3839, 0.2718

61.3499, 0.3054, 0.4588

61.3499, 0.2369, 0.2137

Square

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

61.3499, 0.3054, 0.4588

61.3499, 0.1798, 0.2498

61.3499, 0.3046, 0.2331

61.3499, 0.4657, 0.3799

Rectangle

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

61.3499, 0.3054, 0.4588

61.3499, 0.2053, 0.3394

61.3499, 0.3046, 0.2331

61.3499, 0.4294, 0.3051

Sweetspot

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

61.3525, 0.3054, 0.4588

92.3298, 0.3107, 0.3627

72.6237, 0.3750, 0.4346

19.5131, 0.3103, 0.3690

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.

61.3525, 0.3054, 0.4588

77.4275, 0.3039, 0.4893

62.9851, 0.2791, 0.3914

16.0941, 0.3113, 0.3528

32.0485, 0.2996, 0.5986

2.3700, 0.2985, 0.5946

Inverse Universe

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

37.7210, 0.3195, 0.2264

42.9572, 0.3209, 0.2083

35.4573, 0.3691, 0.2751

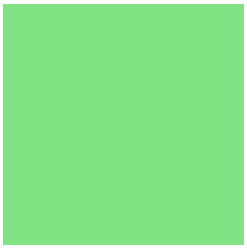
14.6096, 0.3141, 0.3063

12.6073, 0.3263, 0.1571

0.9333, 0.3255, 0.1567

Previews

White Background

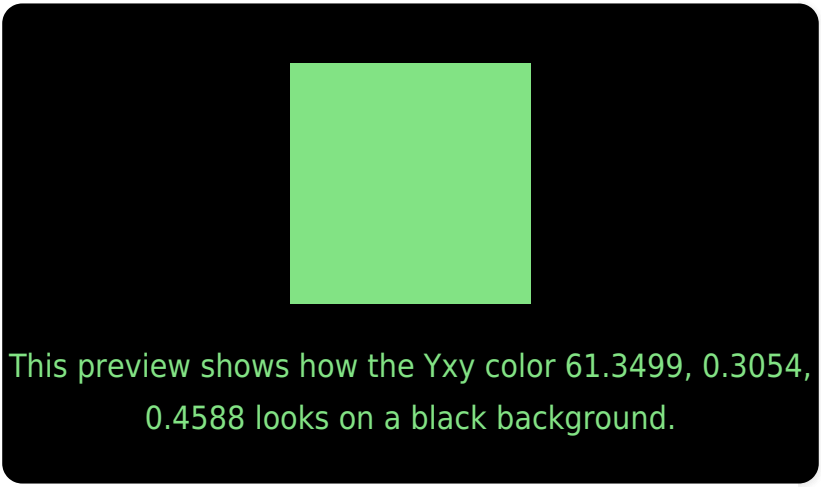


This preview shows how the Yxy color 61.3499, 0.3054, 0.4588 looks on a white background.

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 61.3499, 0.3054, 0.4588 looks on a black background.

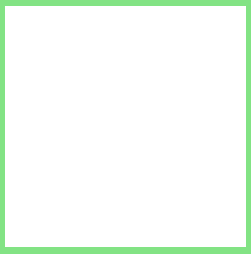
Color Contrast Check

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 61.3499, 0.3054, 0.4588 Background

This preview shows how black text looks on a background with the Yxy color 61.3499, 0.3054, 0.4588.

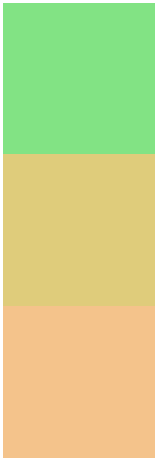


This preview shows how white text looks on a background with the Yxy color 61.3499, 0.3054, 0.4588.

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
61.3499, 0.3054, 0.4588

Protanopia
60.3038, 0.3879, 0.4207

Deuteranopia
60.1274, 0.3982, 0.3894

Tritanopia
60.9681, 0.2596, 0.3068

Trichromacy

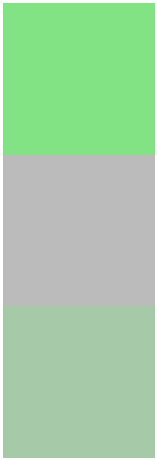
Original Color
61.3499, 0.3054, 0.4588

Protanomaly
59.4121, 0.3542, 0.4357

Deuteranomaly
59.0997, 0.3607, 0.4148

Tritanomaly
60.4882, 0.2766, 0.3589

Monochromacy



Original Color
61.3499, 0.3054, 0.4588

Achromatopsia
49.6933, 0.3127, 0.3290

Achromatomaly
53.1381, 0.3098, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3499, 0.3054, 0.4588 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, 227, 132) looks like.

```
.text, #text, p{
    color:rgb(130, 227, 132)
}
```

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, 227, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 227, 132) }
```

Border

The CSS property to change the border of an element to Yxy 61.3499, 0.3054, 0.4588 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, 227, 132) }
```

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

```
.border{ border-color:rgb(130, 227, 132) }
```

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

Here you see how a box with a 4 pixel rgb(130, 227, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 227, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 227, 132); box-shadow:4px 4px 4px 4px rgb(130, 227, 132) }
```

Background

The CSS property to change the background color of an element to Yxy 61.3499, 0.3054, 0.4588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(130, 227, 132) }
```

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

```
.background{ background-color:rgb(130,
227, 132) }
```

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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