

Converting Colors

$Yxy(60.8630, 0.2848, 0.4020)$

Have a look what the booklet for
Yxy(60.8630, 0.2848, 0.4020)
contains.

Yxy(61.0389, 0.2850, 0.4020)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.0389, 0.2850, 0.4020)

Conversions

Conversions Part 1

Format	Color
Hex	83E0AA
RGB	131, 224, 170
RGB Percent	51%, 88%, 67%
CMY	0.4862, 0.1216, 0.3334
CMYK	0.42, 0.00, 0.24, 0.12
HSL	145°, 60%, 70%
HSV	145°, 42%, 88%
XYZ	43.2738, 61.0389, 47.5253
YIQ	190.0370, -38.0940, -36.5100

Conversions

Conversions Part 2

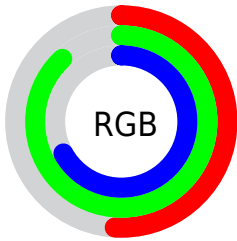
Format	Color
RYB	131, 197, 224
Decimal	8642730
CIELab	82.40, -39.49, 17.94
CIElCh	82, 43.372, 155.562
Yxy	61.0389, 0.2850, 0.4020
Android (android.graphics.Color)	4286832810 (0xFF83E0AA)
YUV	190.0370, -9.8782, -51.7754
Hunter-Lab	78.1274, -37.8539, 18.6228

Details

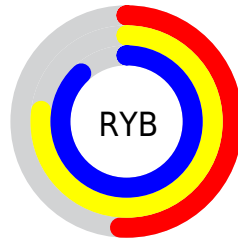
The Yxy color **61.0389, 0.2850, 0.4020** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.5928, 0.3567, 0.2666**, and the grayscale version is **51.5940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5210, 0.2888, 0.3619**, and **30.8091, 0.2763, 0.4220** is the 20% darker color. If you saturate the color by 10%, you get **58.9731, 0.2802, 0.4237**, and if you desaturate by 10%, it is **63.5451, 0.2909, 0.3817**.

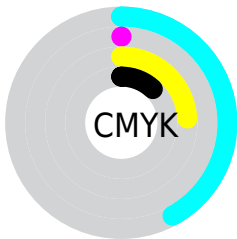
Distribution



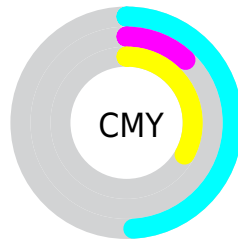
- Red (51%)
- Green (88%)
- Blue (67%)



- Red (51%)
- Yellow (77%)
- Blue (88%)



- Cyan (42%)
- Magenta (0%)
- Yellow (24%)
- Black (12%)





- Cyan (49%)
- Magenta (12%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.0389, 0.2850, 0.4020 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 61.0389, 0.2850, 0.4020 by changing the saturation by 10% instead.

 61.0389, 0.2850,
0.4020


 61.0389, 0.2850,
0.4020


428.4166, 0.2991,
0.3654


 44.2566, 0.2814,
0.4111


 106.3353, 0.2902,
0.3887

 30.8723, 0.2768,
0.4228


 135.6181, 0.2921,
0.3837

 20.5016, 0.2707,
0.4384


 169.8365, 0.2937,
0.3795

 12.7602, 0.2620,
0.4600

209.3749, 0.2951,
0.3759

 7.2636, 0.2491,
0.4919

254.6178, 0.2963,
0.3727

 3.6275, 0.2279,
0.5431

305.9494, 0.2973,

 1.4675, 0.1664,

0.3700

0.7164

363.7542, 0.2983,
0.3676

■ 0.2657, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.0389, 0.2850,
0.4020

■ 61.0389, 0.2850,
0.4020

■ 58.9731, 0.2802,
0.4237

■ 63.5451, 0.2909,
0.3817

■ 57.3137, 0.2768,
0.4463


■ 66.5084, 0.2974,
0.3630

■ 56.0334, 0.2751,
0.4692


■ 69.9539, 0.3044,
0.3462

■ 55.0986, 0.2753,
0.4916

■ 73.9023, 0.3116,
0.3311

 54.4689, 0.2774,
0.5127

 78.3734, 0.3188,
0.3178

 54.1175, 0.2803,
0.5291

 81.3534, 0.3186,
0.3055

 81.7918, 0.3141,
0.2989

Harmonies

Analogous

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



61.0389, 0.3391, 0.4289



61.0389, 0.2850, 0.4020



61.0389, 0.2408, 0.3496

Triad

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



61.0389, 0.2850, 0.4020



61.0389, 0.2371, 0.2422



61.0389, 0.4195, 0.3473

Complementary

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



61.0389, 0.2850, 0.4020



35.5928, 0.3567, 0.2666

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.



61.0389, 0.3874, 0.3048



61.0389, 0.2850, 0.4020



61.0389, 0.2791, 0.2469

Square

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



61.0389, 0.2850, 0.4020



61.0389, 0.2155, 0.2581



61.0389, 0.3343, 0.2693



61.0389, 0.4191, 0.3894

Rectangle

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



61.0389, 0.2850, 0.4020



61.0389, 0.2221, 0.3124



61.0389, 0.3343, 0.2693



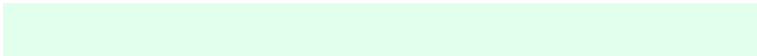
61.0389, 0.4121, 0.3327

Sweetspot

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



61.0414, 0.2850, 0.4020



93.5588, 0.3040, 0.3471



65.2983, 0.3445, 0.4426



19.8882, 0.3031, 0.3492



0.0000, 0.0000, 0.0000



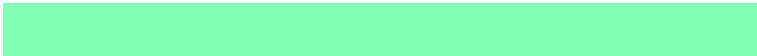
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.0414, 0.2850, 0.4020



79.4038, 0.2807, 0.4212



63.1105, 0.2600, 0.3387



15.4321, 0.3059, 0.3429



31.5219, 0.2795, 0.5263



2.2025, 0.2710, 0.4955

Inverse Universe

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



35.5928, 0.3567, 0.2666



40.8122, 0.3704, 0.2540



33.9459, 0.4102, 0.3201



13.8334, 0.3202, 0.3155



10.1879, 0.4613, 0.2315



0.7239, 0.4338, 0.2163

Previews

White Background



This preview shows how the Yxy color 61.0389, 0.2850, 0.4020 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 61.0389, 0.2850, 0.4020 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 61.0389, 0.2850, 0.4020

Background



This preview shows how black text looks on a background with the Yxy color 61.0389, 0.2850, 0.4020.

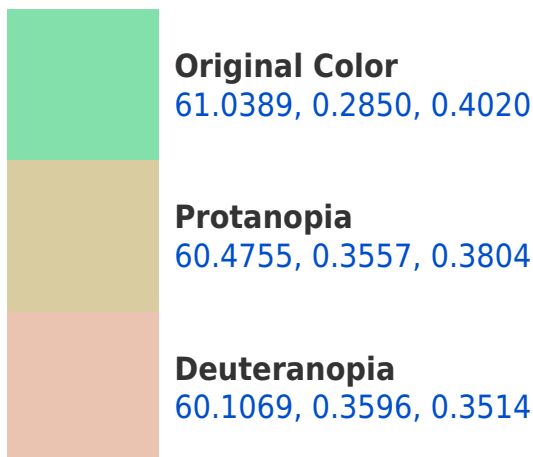


This preview shows how white text looks on a background with the Yxy color 61.0389, 0.2850, 0.4020.

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





Tritanopia

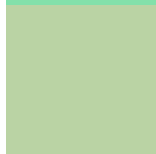
61.1059, 0.2576, 0.3080

Trichromacy



Original Color

61.0389, 0.2850, 0.4020



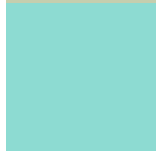
Protanomaly

59.7080, 0.3264, 0.3878



Deuteranomaly

59.0689, 0.3286, 0.3681



Tritanomaly

60.9789, 0.2677, 0.3404

Monochromacy



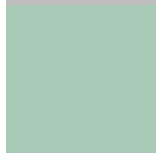
Original Color

61.0389, 0.2850, 0.4020



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.0950, 0.3010, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.0389, 0.2850, 0.4020 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(131, 224, 170)` looks like.

```
.text, #text, p{  
    color:rgb(131, 224, 170)  
}
```

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(131, 224, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 224, 170) }
```

Border

The CSS property to change the border of an element to Yxy 61.0389, 0.2850, 0.4020 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(131, 224, 170) }
```

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

```
.border{ border-color:rgb(131, 224, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 224, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 224, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 224, 170);  
box-shadow:4px 4px 4px 4px rgb(131, 224,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 61.0389, 0.2850, 0.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 224, 170) }
```

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

```
.background{ background-color: rgb(131,  
224, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor