

Converting Colors

Yxy(62.9206, 0.2828, 0.4191)

Have a look what the booklet for
Yxy(62.9206, 0.2828, 0.4191)
contains.

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Color

Yxy(63.1599, 0.2829, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	77E6A3
RGB	119, 230, 163
RGB Percent	47%, 90%, 64%
CMY	0.5334, 0.0980, 0.3608
CMYK	0.48, 0.00, 0.29, 0.10
HSL	144°, 69%, 68%
HSV	144°, 48%, 90%
XYZ	42.5123, 63.1599, 44.6011
YIQ	189.1730, -44.6490, -44.3690

Conversions

Conversions Part 2

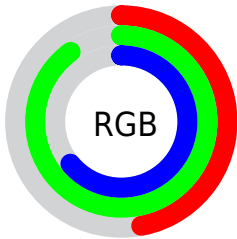
Format	Color
RYB	119, 198, 230
Decimal	7857827
CIELab	83.53, -46.61, 23.06
CIElCh	84, 52.007, 153.674
Yxy	63.1599, 0.2829, 0.4203
Android (android.graphics.Color)	4286047907 (0xFF77E6A3)
YUV	189.1730, -12.9033, -61.5417
Hunter-Lab	79.4732, -43.5937, 22.3571

Details

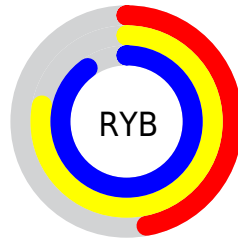
The Yxy color **63.1599, 0.2829, 0.4203** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.5553, 0.3642, 0.2542**, and the grayscale version is **51.0848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9291, 0.2870, 0.3706**, and **32.3496, 0.2736, 0.4468** is the 20% darker color. If you saturate the color by 10%, you get **61.2572, 0.2792, 0.4436**, and if you desaturate by 10%, it is **65.5161, 0.2879, 0.3981**.

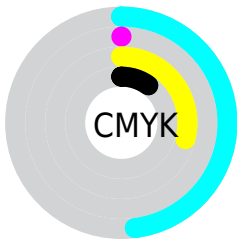
Distribution



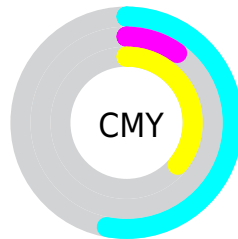
- Red (47%)
- Green (90%)
- Blue (64%)



- Red (47%)
- Yellow (78%)
- Blue (90%)



- Cyan (48%)
- Magenta (0%)
- Yellow (29%)
- Black (10%)





- Cyan (53%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1599, 0.2829, 0.4203 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 63.1599, 0.2829, 0.4203 by changing the saturation by 10% instead.


 63.1599, 0.2829,
0.4203

 63.1599, 0.2829,
0.4203


436.1496, 0.2983,
0.3744


 45.9706, 0.2789,
0.4318


 109.4002, 0.2886,
0.4036

 32.2226, 0.2737,
0.4465


 139.2199, 0.2907,
0.3973

 21.5316, 0.2667,
0.4660


 174.0186, 0.2925,
0.3920

 13.5131, 0.2568,
0.4930

214.1805, 0.2940,
0.3875

 7.7828, 0.2418,
0.5327

260.0902, 0.2953,
0.3835

 3.9563, 0.2169,
0.5954

312.1320, 0.2965,

 1.6491, 0.1462,

0.3801

0.8446

370.6904, 0.2975,
0.3771

■ 0.3904, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1599, 0.2829,
0.4203

■ 63.1599, 0.2829,
0.4203

■ 61.2572, 0.2792,
0.4436

■ 65.5161, 0.2879,
0.3981

■ 59.7695, 0.2771,
0.4674

■ 68.3457, 0.2937,
0.3774


■ 58.6649, 0.2768,
0.4908


■ 71.6767, 0.3002,
0.3586

■ 57.9024, 0.2784,
0.5129


■ 75.5326, 0.3070,
0.3416

 57.4248, 0.2817,
0.5329

 79.9355, 0.3139,
0.3265

 57.3571, 0.2823,
0.5362

 84.5293, 0.3194,
0.3131

 85.0781, 0.3138,
0.3049

Harmonies

Analogous

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



63.1599, 0.3464, 0.4491



63.1599, 0.2829, 0.4203



63.1599, 0.2306, 0.3573

Triad

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



63.1599, 0.2829, 0.4203



63.1599, 0.2222, 0.2284



63.1599, 0.4380, 0.3454

Complementary

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



63.1599, 0.2829, 0.4203



33.5553, 0.3642, 0.2542

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.



63.1599, 0.3978, 0.2971



63.1599, 0.2829, 0.4203



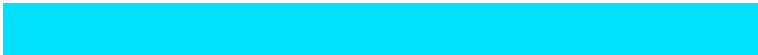
63.1599, 0.2691, 0.2329

Square

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



63.1599, 0.2829, 0.4203



63.1599, 0.1991, 0.2473



63.1599, 0.3334, 0.2574



63.1599, 0.4391, 0.3948

Rectangle

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



63.1599, 0.2829, 0.4203



63.1599, 0.2084, 0.3121



63.1599, 0.3334, 0.2574



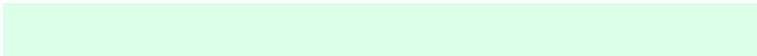
63.1599, 0.4286, 0.3288

Sweetspot

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



63.1625, 0.2829, 0.4203



92.5360, 0.3030, 0.3512



68.5502, 0.3512, 0.4610



19.5862, 0.3016, 0.3550



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.



63.1625, 0.2829, 0.4203



77.3960, 0.2792, 0.4437



65.5306, 0.2553, 0.3454



16.1834, 0.3062, 0.3435



32.4923, 0.2815, 0.5332



2.4190, 0.2733, 0.5038

Inverse Universe

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



33.5553, 0.3642, 0.2542



35.7977, 0.3801, 0.2408



31.6751, 0.4309, 0.3146



14.5133, 0.3198, 0.3149



10.6009, 0.4522, 0.2265



0.8016, 0.4279, 0.2131

Previews

White Background



This preview shows how the Yxy color 63.1599, 0.2829, 0.4203 looks on a white background.

Color Contrast Check

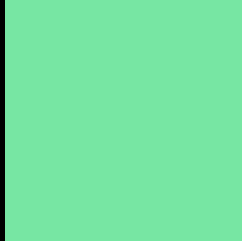
Large Text (above 18pt) WCAG AA × Fail

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 63.1599, 0.2829, 0.4203 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 63.1599, 0.2829, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 63.1599, 0.2829, 0.4203.

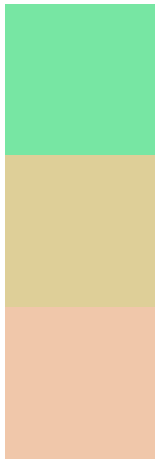


This preview shows how white text looks on a background with the Yxy color 63.1599, 0.2829, 0.4203.

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

63.1599, 0.2829, 0.4203

Protanopia

62.4222, 0.3649, 0.3921

Deuteranopia

62.2744, 0.3686, 0.3608



Tritanopia

62.7627, 0.2518, 0.3068

Trichromacy



Original Color

63.1599, 0.2829, 0.4203



Protanomaly

61.3155, 0.3304, 0.4027



Deuteranomaly

60.6190, 0.3322, 0.3815



Tritanomaly

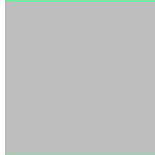
62.8398, 0.2627, 0.3456

Monochromacy



Original Color

63.1599, 0.2829, 0.4203



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

54.3735, 0.2993, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1599, 0.2829, 0.4203 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(119, 230, 163)` looks like.

```
.text, #text, p{  
    color:rgb(119, 230, 163)  
}
```

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(119, 230, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 230, 163) }
```

Border

The CSS property to change the border of an element to Yxy 63.1599, 0.2829, 0.4203 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(119, 230, 163) }
```

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

```
.border{ border-color:rgb(119, 230, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 230, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 230, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 230, 163);  
box-shadow:4px 4px 4px 4px rgb(119, 230,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1599, 0.2829, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 230, 163) }
```

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

```
.background{ background-color: rgb(119,  
230, 163) }
```

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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