

Converting Colors

$Yxy(57.1054, 0.2837, 0.4105)$

Have a look what the booklet for
Yxy(57.1054, 0.2837, 0.4105)
contains.

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Color

Yxy(57.2293, 0.2834, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	78DBA1
RGB	120, 219, 161
RGB Percent	47%, 86%, 63%
CMY	0.5294, 0.1412, 0.3687
CMYK	0.45, 0.00, 0.26, 0.14
HSL	145°, 58%, 66%
HSV	145°, 45%, 86%
XYZ	39.5098, 57.2293, 42.6745
YIQ	182.7870, -40.3860, -39.0260

Conversions

Conversions Part 2

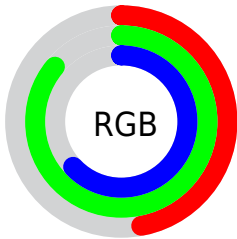
Format	Color
RYB	120, 190, 219
Decimal	7920545
CIELab	80.31, -41.96, 19.69
CIELCh	80, 46.353, 154.869
Yxy	57.2293, 0.2834, 0.4105
Android (android.graphics.Color)	4286110625 (0xFF78DBA1)
YUV	182.7870, -10.7410, -55.0642
Hunter-Lab	75.6500, -39.1622, 19.5093

Details

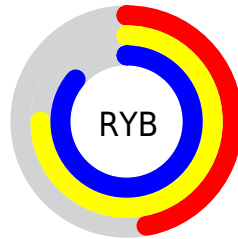
The Yxy color **57.2293, 0.2834, 0.4105** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.7113, 0.3615, 0.2607**, and the grayscale version is **47.3091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8250, 0.2880, 0.3729**, and **28.3553, 0.2744, 0.4345** is the 20% darker color. If you saturate the color by 10%, you get **55.4108, 0.2791, 0.4328**, and if you desaturate by 10%, it is **59.4570, 0.2888, 0.3895**.

Distribution



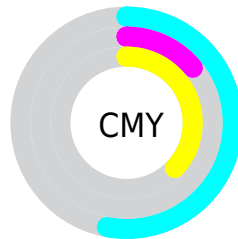
- Red (47%)
- Green (86%)
- Blue (63%)



- Red (47%)
- Yellow (75%)
- Blue (86%)



- Cyan (45%)
- Magenta (0%)
- Yellow (26%)
- Black (14%)




- Cyan (53%)
- Magenta (14%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2293, 0.2834, 0.4105 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 57.2293, 0.2834, 0.4105 by changing the saturation by 10% instead.

 57.2293, 0.2834,
0.4105


 57.2293, 0.2834,
0.4105


414.3080, 0.2986,
0.3690

 41.1894, 0.2795,
0.4210


 100.7997, 0.2890,
0.3953

 28.4671, 0.2743,
0.4347


 129.0989, 0.2911,
0.3896

 18.6780, 0.2673,
0.4529

 162.2534, 0.2929,
0.3848

 11.4379, 0.2574,
0.4786

200.6475, 0.2944,
0.3808

 6.3622, 0.2421,
0.5171

244.6656, 0.2956,
0.3772

 3.0665, 0.2162,
0.5803

294.6921, 0.2967,

 1.1666, 0.0491,

0.3741

0.9509

351.1114, 0.2977,
0.3714

■ 0.0341, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2293, 0.2834,
0.4105

■ 57.2293, 0.2834,
0.4105

■ 55.4108, 0.2791,
0.4328

■ 59.4570, 0.2888,
0.3895

■ 53.9684, 0.2763,
0.4557


■ 62.1107, 0.2951,
0.3700

■ 52.8751, 0.2753,
0.4787


■ 65.2145, 0.3019,
0.3524


■ 52.0969, 0.2762,
0.5008

■ 68.7888, 0.3090,
0.3365


 51.5926, 0.2790,
0.5213

 72.8526, 0.3161,
0.3225

 51.4145, 0.2807,
0.5304

 77.4239, 0.3232,
0.3101

 78.8797, 0.3171,
0.2979

 79.1452, 0.3144,
0.2940

Harmonies

Analogous

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



57.2293, 0.3422, 0.4388



57.2293, 0.2834, 0.4105



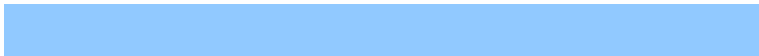
57.2293, 0.2353, 0.3527

Triad

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



57.2293, 0.2834, 0.4105



57.2293, 0.2300, 0.2352



57.2293, 0.4289, 0.3469

Complementary

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



57.2293, 0.2834, 0.4105



31.7113, 0.3615, 0.2607

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.



57.2293, 0.3932, 0.3014



57.2293, 0.2834, 0.4105



57.2293, 0.2747, 0.2401

Square

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



57.2293, 0.2834, 0.4105



57.2293, 0.2074, 0.2524



57.2293, 0.3346, 0.2637



57.2293, 0.4289, 0.3927

Rectangle

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



57.2293, 0.2834, 0.4105



57.2293, 0.2150, 0.3116



57.2293, 0.3346, 0.2637



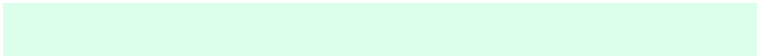
57.2293, 0.4206, 0.3313

Sweetspot

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



57.2316, 0.2834, 0.4105



92.5716, 0.3027, 0.3506



61.6537, 0.3480, 0.4526



19.5948, 0.3012, 0.3542



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.



57.2316, 0.2834, 0.4105



78.3903, 0.2794, 0.4311



59.2676, 0.2573, 0.3419



14.6952, 0.3060, 0.3430



30.5057, 0.2799, 0.5276



1.9932, 0.2708, 0.4949

Inverse Universe

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



31.7113, 0.3615, 0.2607



38.1300, 0.3763, 0.2481



30.1051, 0.4212, 0.3174



13.1789, 0.3201, 0.3154



9.8818, 0.4590, 0.2302



0.6572, 0.4304, 0.2145

Previews

White Background



This preview shows how the Yxy color 57.2293, 0.2834, 0.4105 looks on a white background.

Color Contrast Check

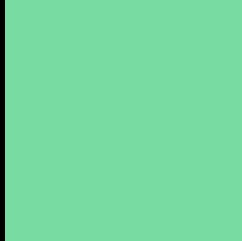
Large Text (above 18pt) WCAG AA × Fail

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 57.2293, 0.2834, 0.4105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

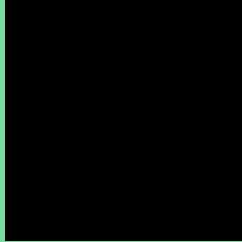
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.2293, 0.2834, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 57.2293, 0.2834, 0.4105.



This preview shows how white text looks on a background with the Yxy color 57.2293, 0.2834, 0.4105.

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

57.2293, 0.2834, 0.4105

Protanopia

56.6196, 0.3602, 0.3853

Deuteranopia

56.1109, 0.3635, 0.3554



Tritanopia

56.8735, 0.2543, 0.3072

Trichromacy



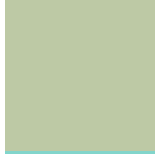
Original Color

57.2293, 0.2834, 0.4105



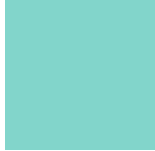
Protanomaly

56.0929, 0.3279, 0.3949



Deuteranomaly

55.3087, 0.3295, 0.3745



Tritanomaly

56.6461, 0.2644, 0.3422

Monochromacy



Original Color

57.2293, 0.2834, 0.4105



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.0486, 0.2998, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2293, 0.2834, 0.4105 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(120, 219, 161)` looks like.

```
.text, #text, p{  
    color:rgb(120, 219, 161)  
}
```

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(120, 219, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 219, 161) }
```

Border

The CSS property to change the border of an element to Yxy 57.2293, 0.2834, 0.4105 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(120, 219, 161) }
```

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

```
.border{ border-color:rgb(120, 219, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 219, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 219, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 219, 161);  
box-shadow:4px 4px 4px 4px rgb(120, 219,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2293, 0.2834, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 219, 161) }
```

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

```
.background{ background-color: rgb(120,  
219, 161) }
```

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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