

Converting Colors

$Yxy(66.8347, 0.2796, 0.3474)$

Have a look what the booklet for
Yxy(66.8347, 0.2796, 0.3474)
contains.

Yxy(66.6729, 0.2794, 0.3473)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.6729, 0.2794, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	A1E2D3
RGB	161, 226, 211
RGB Percent	63%, 89%, 83%
CMY	0.3690, 0.1136, 0.1726
CMYK	0.29, 0.00, 0.07, 0.11
HSL	166°, 53%, 76%
HSV	166°, 29%, 89%
XYZ	53.6378, 66.6729, 71.6642
YIQ	204.8550, -33.9250, -18.4450

Conversions

Conversions Part 2

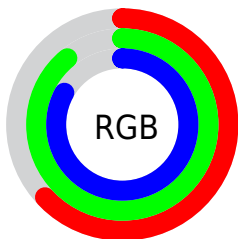
Format	Color
RYB	161, 198, 226
Decimal	10609363
CIELab	85.34, -23.62, 0.75
CIELCh	85, 23.628, 178.180
Yxy	66.6729, 0.2794, 0.3473
Android (android.graphics.Color)	4288799443 (0xFFA1E2D3)
YUV	204.8550, 3.0295, -38.4608
Hunter-Lab	81.6535, -25.6377, 5.1208

Details

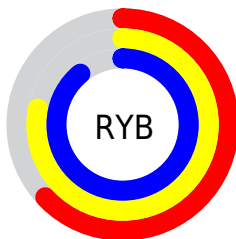
The Yxy color **66.6729, 0.2794, 0.3473** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.7638, 0.3615, 0.3116**, and the grayscale version is **60.9400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **34.3096, 0.2708, 0.3503** is the 20% darker color. If you saturate the color by 10%, you get **64.2799, 0.2696, 0.3547**, and if you desaturate by 10%, it is **69.5041, 0.2903, 0.3404**.

Distribution



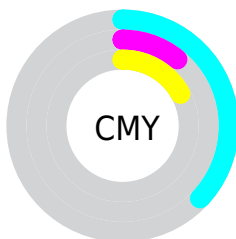
- Red (63%)
- Green (89%)
- Blue (83%)



- Red (63%)
- Yellow (78%)
- Blue (89%)



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)




- Cyan (37%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6729, 0.2794, 0.3473 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 66.6729, 0.2794, 0.3473 by changing the saturation by 10% instead.


 66.6729, 0.2794,
0.3473


 66.6729, 0.2794,
0.3473

448.7796, 0.2950,
0.3387

 48.8189, 0.2758,
0.3493


 114.4516, 0.2849,
0.3443

 34.4758, 0.2713,
0.3518


 145.1450, 0.2870,
0.3431

 23.2594, 0.2655,
0.3550

180.8870, 0.2888,
0.3421

 14.7851, 0.2579,
0.3592

222.0620, 0.2904,
0.3413

 8.6687, 0.2474,
0.3651

269.0543, 0.2918,
0.3405

 4.5257, 0.2319,
0.3738

322.2485, 0.2930,

 1.9718, 0.2071,

0.3398

0.3879

382.0287, 0.2941,
0.3392

0.5910, 0.0000,
0.5000

0.0000, 0.0000,
0.0000

66.6729, 0.2794,
0.3473

66.6729, 0.2794,
0.3473

64.2799, 0.2696,
0.3547

69.5041, 0.2903,
0.3404

62.2941, 0.2611,
0.3626

72.7867, 0.3020,
0.3341


60.6931, 0.2543,
0.3708

76.5432, 0.3142,
0.3283

59.4488, 0.2493,
0.3793


80.7922, 0.3266,
0.3232


 58.5296, 0.2463,
0.3879


 81.7839, 0.3257,
0.3181

 57.8979, 0.2453,
0.3965


 82.0935, 0.3223,
0.3131

 57.4966, 0.2460,
0.4050

 82.4121, 0.3189,
0.3080

 57.4549, 0.2461,
0.4060

 82.7396, 0.3155,
0.3031

 82.8849, 0.3140,
0.3009

Harmonies

Analogous

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



66.6729, 0.3060, 0.3707



66.6729, 0.2794, 0.3473



66.6729, 0.2621, 0.3193

Triad

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



66.6729, 0.2794, 0.3473



66.6729, 0.2887, 0.2816



66.6729, 0.3708, 0.3585

Complementary

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



66.6729, 0.2794, 0.3473



44.7638, 0.3615, 0.3116

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.



66.6729, 0.3660, 0.3349



66.6729, 0.2794, 0.3473



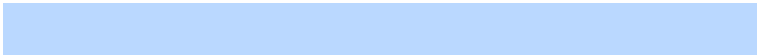
66.6729, 0.3174, 0.2919

Square

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



66.6729, 0.2794, 0.3473



66.6729, 0.2672, 0.2826



66.6729, 0.3461, 0.3109



66.6729, 0.3592, 0.3760

Rectangle

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



66.6729, 0.2794, 0.3473



66.6729, 0.2577, 0.3027



66.6729, 0.3461, 0.3109



66.6729, 0.3711, 0.3510

Sweetspot

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



66.6756, 0.2794, 0.3473



95.5676, 0.3017, 0.3342



66.2173, 0.3192, 0.4100



20.3124, 0.2999, 0.3351



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.



66.6756, 0.2794, 0.3473



85.5634, 0.2729, 0.3520



58.4943, 0.2688, 0.3076



15.5154, 0.3012, 0.3345



32.7898, 0.2457, 0.4047



2.2861, 0.2421, 0.3915

Inverse Universe

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



44.7638, 0.3615, 0.3116



52.0018, 0.3770, 0.3076



50.6929, 0.3706, 0.3494



13.7521, 0.3256, 0.3236



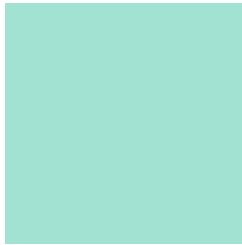
9.3817, 0.5980, 0.3068



0.6640, 0.5545, 0.2828

Previews

White Background



This preview shows how the Yxy color 66.6729, 0.2794, 0.3473 looks on a white background.

Color Contrast Check

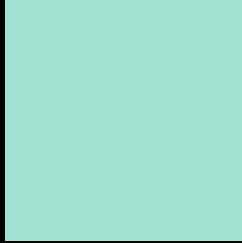
Large Text (above 18pt) WCAG AA × Fail

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 66.6729, 0.2794, 0.3473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

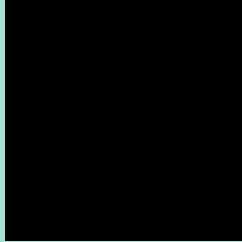
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

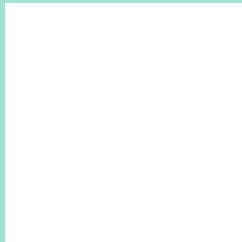
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6729, 0.2794, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 66.6729, 0.2794, 0.3473.

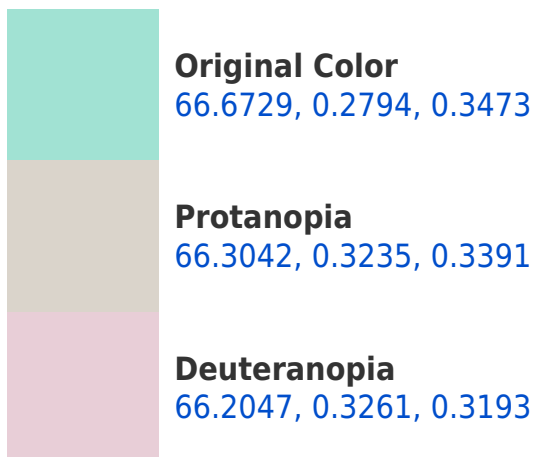


This preview shows how white text looks on a background with the Yxy color 66.6729, 0.2794, 0.3473.

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

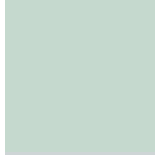
66.7493, 0.2665, 0.3079

Trichromacy



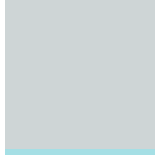
Original Color

66.6729, 0.2794, 0.3473



Protanomaly

65.9523, 0.3057, 0.3418



Deuteranomaly

65.5654, 0.3069, 0.3278



Tritanomaly

66.4318, 0.2714, 0.3217

Monochromacy



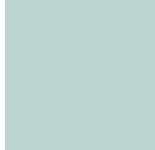
Original Color

66.6729, 0.2794, 0.3473



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

62.9123, 0.2994, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6729, 0.2794, 0.3473 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(161, 226, 211)` looks like.

```
.text, #text, p{  
    color:rgb(161, 226, 211)  
}
```

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(161, 226, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 226, 211) }
```

Border

The CSS property to change the border of an element to Yxy 66.6729, 0.2794, 0.3473 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(161, 226, 211) }
```

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

```
.border{ border-color:rgb(161, 226, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 226, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 226, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 226, 211);  
box-shadow:4px 4px 4px 4px rgb(161, 226,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6729, 0.2794, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 226, 211) }
```

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

```
.background{ background-color: rgb(161,  
226, 211) }
```

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