

Converting Colors

$Yxy(71.3833, 0.2812, 0.3319)$

Have a look what the booklet for
Yxy(71.3833, 0.2812, 0.3319)
contains.

Yxy(71.6047, 0.2809, 0.3324)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.6047, 0.2809, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	B2E6E3
RGB	178, 230, 227
RGB Percent	70%, 90%, 89%
CMY	0.3022, 0.0980, 0.1098
CMYK	0.23, 0.00, 0.01, 0.10
HSL	177°, 51%, 80%
HSV	177°, 23%, 90%
XYZ	60.5107, 71.6047, 83.3019
YIQ	214.1100, -30.0290, -11.9570

Conversions

Conversions Part 2

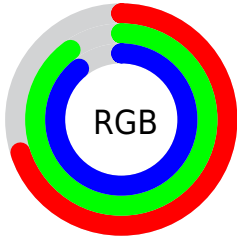
Format	Color
R _Y B	178, 205, 230
Decimal	11724515
CIE Lab	87.78, -17.19, -3.99
CIE LCh	88, 17.645, 193.078
Yxy	71.6047, 0.2809, 0.3324
Android (android.graphics.Color)	4289914595 (0xFFB2E6E3)
YUV	214.1100, 6.3548, -31.6685
Hunter-Lab	84.6196, -20.4404, 0.8670

Details

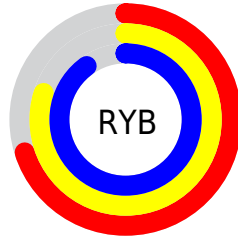
The Yxy color **71.6047, 0.2809, 0.3324** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.9770, 0.3564, 0.3257**, and the grayscale version is **67.2884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **37.5357, 0.2732, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **69.0388, 0.2685, 0.3341**, and if you desaturate by 10%, it is **74.6331, 0.2944, 0.3308**.

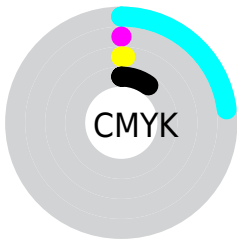
Distribution



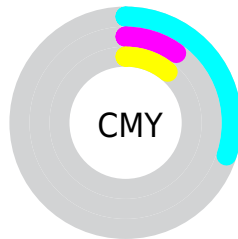
- Red (70%)
- Green (90%)
- Blue (89%)



- Red (70%)
- Yellow (80%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)




- Cyan (30%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6047, 0.2809, 0.3324 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 71.6047, 0.2809, 0.3324 by changing the saturation by 10% instead.


 71.6047, 0.2809,
0.3324

 71.6047, 0.2809,
0.3324

466.1645, 0.2956,
0.3310

 52.8358, 0.2776,
0.3327


 121.4944, 0.2860,
0.3319

 37.6717, 0.2735,
0.3330


153.3839, 0.2880,
0.3317

 25.7280, 0.2683,
0.3334


190.4158, 0.2897,
0.3316

 16.6203, 0.2615,
0.3339

232.9745, 0.2911,
0.3314

 9.9641, 0.2523,
0.3345

281.4443, 0.2924,
0.3313

 5.3752, 0.2391,
0.3351

336.2097, 0.2936,

 2.4690, 0.2188,

0.3312

397.6549, 0.2946,
0.3311

0.3355

0.8611, 0.1596,
0.3445

0.0000, 0.0000,
0.0000

71.6047, 0.2809,
0.3324

71.6047, 0.2809,
0.3324

69.0388, 0.2685,
0.3341

74.6331, 0.2944,
0.3308

66.9040, 0.2576,
0.3359

78.1365, 0.3088,
0.3294


65.1784, 0.2483,
0.3378


82.1376, 0.3238,
0.3280


63.8349, 0.2409,
0.3397


83.7092, 0.3285,
0.3268

 62.8430, 0.2355,
0.3417


 83.7855, 0.3276,
0.3254

 62.1677, 0.2319,
0.3436

 83.8624, 0.3267,
0.3241

 61.7665, 0.2302,
0.3455

 83.9398, 0.3259,
0.3228

 61.5969, 0.2297,
0.3469

 84.0178, 0.3250,
0.3215

 84.0964, 0.3241,
0.3202

Harmonies

Analogous

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



71.6047, 0.2977, 0.3515



71.6047, 0.2809, 0.3324



71.6047, 0.2725, 0.3130

Triad

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



71.6047, 0.2809, 0.3324



71.6047, 0.3054, 0.2967



71.6047, 0.3522, 0.3581

Complementary

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



71.6047, 0.2809, 0.3324



51.9770, 0.3564, 0.3257

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.



71.6047, 0.3547, 0.3427



71.6047, 0.2809, 0.3324



71.6047, 0.3271, 0.3079

Square

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



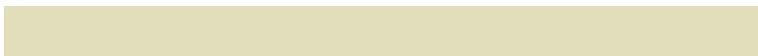
71.6047, 0.2809, 0.3324



71.6047, 0.2863, 0.2933



71.6047, 0.3453, 0.3245



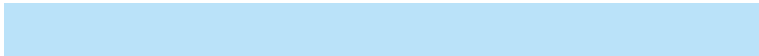
71.6047, 0.3390, 0.3664

Rectangle

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



71.6047, 0.2809, 0.3324



71.6047, 0.2727, 0.3028



71.6047, 0.3453, 0.3245



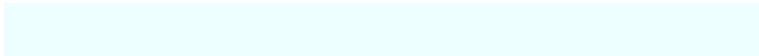
71.6047, 0.3544, 0.3536

Sweetspot

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



71.6076, 0.2809, 0.3324



96.7038, 0.3024, 0.3300



69.6894, 0.3121, 0.3920



20.6409, 0.3015, 0.3301



0.0000, 0.0000, 0.0000



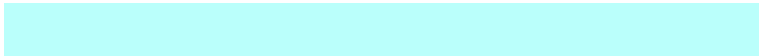
21.4041, 0.3127, 0.3290

Same Dimension

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



71.6076, 0.2809, 0.3324



88.9433, 0.2752, 0.3332



60.0162, 0.2772, 0.3022



16.3212, 0.2989, 0.3303



34.8727, 0.2296, 0.3466



2.5814, 0.2288, 0.3438

Inverse Universe

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



51.9770, 0.3564, 0.3257



60.1651, 0.3681, 0.3250



61.5816, 0.3536, 0.3544



14.3815, 0.3283, 0.3277



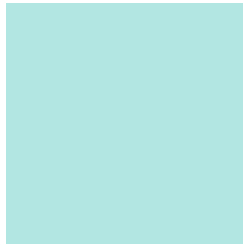
9.5469, 0.6337, 0.3265



0.7103, 0.6164, 0.3170

Previews

White Background



This preview shows how the Yxy color 71.6047, 0.2809, 0.3324 looks on a white background.

Color Contrast Check

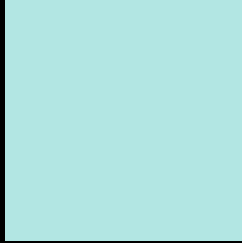
Large Text (above 18pt) WCAG AA × Fail

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 71.6047, 0.2809, 0.3324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

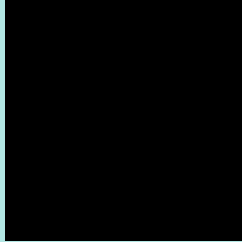
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

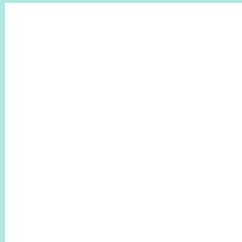
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6047, 0.2809, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 71.6047, 0.2809, 0.3324.



This preview shows how white text looks on a background with the Yxy color 71.6047, 0.2809, 0.3324.

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

71.6047, 0.2809, 0.3324

Protanopia

70.9981, 0.3150, 0.3268

Deuteranopia

71.1909, 0.3172, 0.3102



Tritanopia

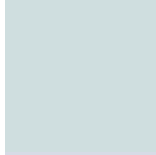
71.4758, 0.2731, 0.3087

Trichromacy



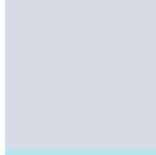
Original Color

71.6047, 0.2809, 0.3324



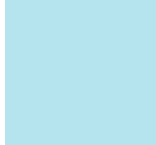
Protanomaly

70.8357, 0.3016, 0.3279



Deuteranomaly

70.8233, 0.3027, 0.3170



Tritanomaly

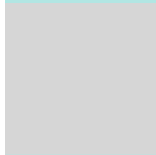
71.4836, 0.2764, 0.3175

Monochromacy



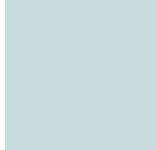
Original Color

71.6047, 0.2809, 0.3324



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

68.7184, 0.3001, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6047, 0.2809, 0.3324 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(178, 230, 227)` looks like.

```
.text, #text, p{  
    color:rgb(178, 230, 227)  
}
```

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(178, 230, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 227) }
```

Border

The CSS property to change the border of an element to Yxy 71.6047, 0.2809, 0.3324 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(178, 230, 227) }
```

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

```
.border{ border-color:rgb(178, 230, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 230, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 230, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 230, 227);  
box-shadow:4px 4px 4px 4px rgb(178, 230,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6047, 0.2809, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 230, 227) }
```

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

```
.background{ background-color: rgb(178,  
230, 227) }
```

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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