

Converting Colors

$Yxy(70.3187, 0.2967, 0.3659)$

Have a look what the booklet for
Yxy(70.3187, 0.2967, 0.3659)
contains.

Yxy(70.1821, 0.2971, 0.3661)	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(70.1821, 0.2971, 0.3661)

Conversions

Conversions Part 1

Format	Color
Hex	B2E6C7
RGB	178, 230, 199
RGB Percent	70%, 90%, 78%
CMY	0.3022, 0.0980, 0.2197
CMYK	0.23, 0.00, 0.13, 0.10
HSL	144°, 51%, 80%
HSV	144°, 23%, 90%
XYZ	56.9547, 70.1821, 64.5652
YIQ	210.9180, -21.0410, -20.6650

Conversions

Conversions Part 2

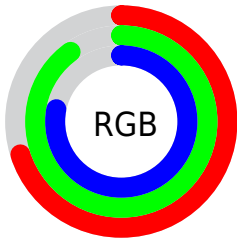
Format	Color
RYB	178, 215, 230
Decimal	11724487
CIELab	87.09, -22.80, 9.71
CIElCh	87, 24.783, 156.936
Yxy	70.1821, 0.2971, 0.3661
Android (android.graphics.Color)	4289914567 (0xFFB2E6C7)
YUV	210.9180, -5.8756, -28.8691
Hunter-Lab	83.7748, -25.2518, 12.9475

Details

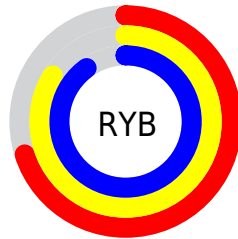
The Yxy color **70.1821, 0.2971, 0.3661** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.2487, 0.3323, 0.2946**, and the grayscale version is **65.1287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **36.6015, 0.2929, 0.3754** is the 20% darker color. If you saturate the color by 10%, you get **67.0810, 0.2908, 0.3855**, and if you desaturate by 10%, it is **73.8025, 0.3039, 0.3485**.

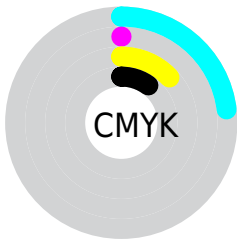
Distribution



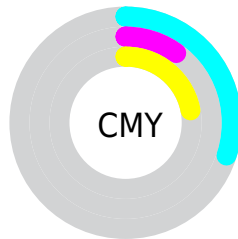
- Red (70%)
- Green (90%)
- Blue (78%)



- Red (70%)
- Yellow (84%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)





- Cyan (30%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1821, 0.2971, 0.3661 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 70.1821, 0.2971, 0.3661 by changing the saturation by 10% instead.

 70.1821, 0.2971,
0.3661

 70.1821, 0.2971,
0.3661


461.1891, 0.3046,
0.3483

 51.6750, 0.2953,
0.3703


 119.4684, 0.2998,
0.3598

 36.7461, 0.2931,
0.3756


151.0164, 0.3008,
0.3574

 25.0110, 0.2902,
0.3825

187.6802, 0.3017,
0.3553

 16.0852, 0.2862,
0.3916

229.8441, 0.3024,
0.3536

 9.5845, 0.2807,
0.4046

277.8925, 0.3031,
0.3520

 5.1243, 0.2722,
0.4243

332.2099, 0.3036,

 2.3204, 0.2578,

0.3506

393.1807, 0.3042,
0.3494

0.4575

0.7845, 0.1645,
0.6828

0.0000, 0.0000,
0.0000

70.1821, 0.2971,
0.3661

70.1821, 0.2971,
0.3661

67.0810, 0.2908,
0.3855

73.8025, 0.3039,
0.3485

64.4663, 0.2852,
0.4066

77.9562, 0.3109,
0.3328

62.3146, 0.2806,
0.4291

82.6671, 0.3179,
0.3189

60.5971, 0.2775,
0.4524

85.0079, 0.3146,
0.3060

■ 59.2816, 0.2762,
0.4758

■ 85.0836, 0.3138,
0.3049

■ 58.3312, 0.2767,
0.4986

■ 57.7016, 0.2790,
0.5197

■ 57.3924, 0.2817,
0.5340

Harmonies

Analogous

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



70.1821, 0.3273, 0.3814



70.1821, 0.2971, 0.3661



70.1821, 0.2720, 0.3394

Triad

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



70.1821, 0.2971, 0.3661



70.1821, 0.2712, 0.2796



70.1821, 0.3709, 0.3424

Complementary

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



70.1821, 0.2971, 0.3661



53.2487, 0.3323, 0.2946

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.



70.1821, 0.3545, 0.3173



70.1821, 0.2971, 0.3661



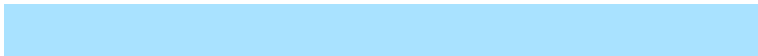
70.1821, 0.2961, 0.2821

Square

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



70.1821, 0.2971, 0.3661



70.1821, 0.2576, 0.2896



70.1821, 0.3266, 0.2957



70.1821, 0.3708, 0.3656

Rectangle

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



70.1821, 0.2971, 0.3661



70.1821, 0.2611, 0.3201



70.1821, 0.3266, 0.2957



70.1821, 0.3671, 0.3339

Sweetspot

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



70.1850, 0.2971, 0.3661



96.1039, 0.3078, 0.3395



73.3988, 0.3316, 0.3883



20.5018, 0.3074, 0.3405



0.0000, 0.0000, 0.0000



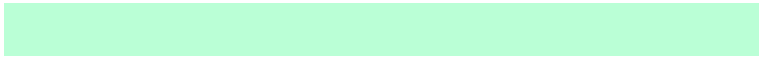
21.4041, 0.3127, 0.3290

Same Dimension

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



70.1850, 0.2971, 0.3661



86.8310, 0.2942, 0.3746



71.4883, 0.2821, 0.3350



16.1852, 0.3061, 0.3433



32.5094, 0.2808, 0.5310



2.4203, 0.2727, 0.5017

Inverse Universe

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



53.2487, 0.3323, 0.2946



61.9975, 0.3372, 0.2875



52.0714, 0.3545, 0.3232



14.5115, 0.3200, 0.3151



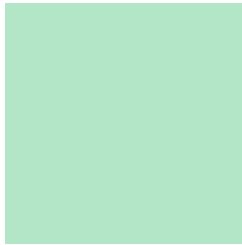
10.5731, 0.4552, 0.2282



0.7996, 0.4303, 0.2144

Previews

White Background



This preview shows how the Yxy color 70.1821, 0.2971, 0.3661 looks on a white background.

Color Contrast Check

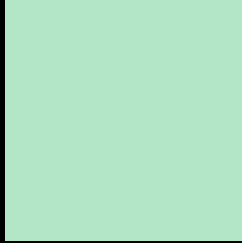
Large Text (above 18pt) WCAG AA × Fail

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 70.1821, 0.2971, 0.3661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

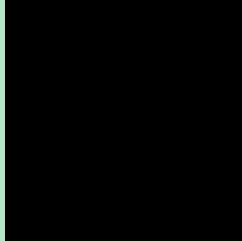
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

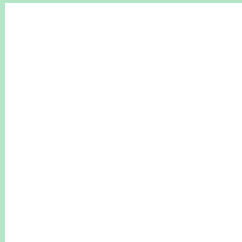
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1821, 0.2971, 0.3661

Background



This preview shows how black text looks on a background with the Yxy color 70.1821, 0.2971, 0.3661.



This preview shows how white text looks on a background with the Yxy color 70.1821, 0.2971, 0.3661.

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

70.1821, 0.2971, 0.3661

Protanopia

69.7624, 0.3374, 0.3566

Deuteranopia

69.6381, 0.3437, 0.3365



Tritanopia

70.1612, 0.2768, 0.3086

Trichromacy



Original Color

70.1821, 0.2971, 0.3661

Protanomaly

69.7380, 0.3213, 0.3598

Deuteranomaly

69.1056, 0.3251, 0.3457

Tritanomaly

69.9510, 0.2843, 0.3289

Monochromacy



Original Color

70.1821, 0.2971, 0.3661

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.7899, 0.3064, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1821, 0.2971, 0.3661 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(178, 230, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 199) }
```

Border

The CSS property to change the border of an element to Yxy 70.1821, 0.2971, 0.3661 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, 199) }
```

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

```
.border{ border-color:rgb(178, 230, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 230, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 230, 199); box-shadow:4px 4px 4px 4px rgb(178, 230, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1821, 0.2971, 0.3661 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, 199) }
```

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

```
.background{ background-color: rgb(178,  
230, 199) }
```

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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