

Converting Colors

$Yxy(70.4487, 0.2784, 0.3177)$

Have a look what the booklet for
Yxy(70.4487, 0.2784, 0.3177)
contains.

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Color

Yxy(70.5161, 0.2786, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	B7E2EC
RGB	183, 226, 236
RGB Percent	72%, 89%, 93%
CMY	0.2821, 0.1138, 0.0745
CMYK	0.22, 0.04, 0.00, 0.07
HSL	191°, 58%, 82%
HSV	191°, 22%, 93%
XYZ	61.8765, 70.5161, 89.7054
YIQ	214.2830, -28.8380, -6.0060

Conversions

Conversions Part 2

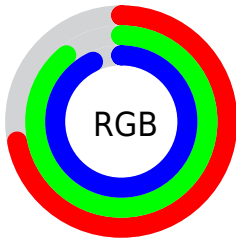
Format	Color
R _Y B	183, 207, 236
Decimal	12051180
CIE Lab	87.25, -11.70, -9.48
CIE LCh	87, 15.053, 219.012
Yxy	70.5161, 0.2786, 0.3175
Android (android.graphics.Color)	4290241260 (0xFFB7E2EC)
YUV	214.2830, 10.7065, -27.4352
Hunter-Lab	83.9739, -15.4258, -4.5550

Details

The Yxy color **70.5161, 0.2786, 0.3175** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.4291, 0.3563, 0.3402**, and the grayscale version is **67.3962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **37.0882, 0.2709, 0.3154** is the 20% darker color. If you saturate the color by 10%, you get **65.4666, 0.2643, 0.3117**, and if you desaturate by 10%, it is **76.1198, 0.2936, 0.3229**.

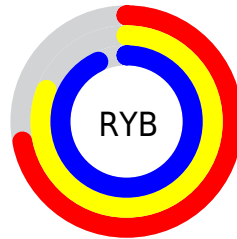
Distribution



Red (72%)

Green (89%)

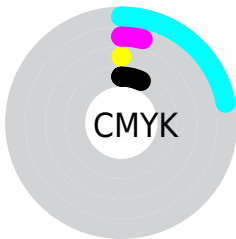
Blue (93%)



Red (72%)

Yellow (81%)

Blue (93%)

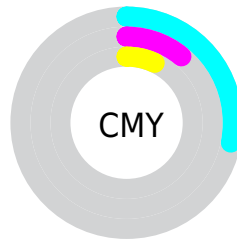


Cyan (22%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (28%)


Magenta (11%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5161, 0.2786, 0.3175 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 70.5161, 0.2786, 0.3175 by changing the saturation by 10% instead.


 70.5161, 0.2786,
0.3175

 70.5161, 0.2786,
0.3175


462.3601, 0.2943,
0.3231

 51.9474, 0.2750,
0.3162


 119.9445, 0.2840,
0.3195

 36.9631, 0.2706,
0.3145


151.5729, 0.2861,
0.3202

 25.1790, 0.2651,
0.3124


188.3234, 0.2880,
0.3209

 16.2104, 0.2579,
0.3095

230.5803, 0.2896,
0.3214

 9.6732, 0.2481,
0.3054

278.7280, 0.2910,
0.3219

 5.1828, 0.2342,
0.2993

333.1509, 0.2922,

 2.3549, 0.2128,

0.3223

0.2891

394.2335, 0.2933,
0.3227

0.8026, 0.1625,
0.2733

0.0000, 0.0000,
0.0000

70.5161, 0.2786,
0.3175

70.5161, 0.2786,
0.3175

65.4666, 0.2643,
0.3117

76.1198, 0.2936,
0.3229

60.9379, 0.2511,
0.3054

82.2921, 0.3090,
0.3279

56.9064, 0.2392,
0.2989

89.0572, 0.3245,
0.3323

53.3425, 0.2290,
0.2921

91.9225, 0.3248,
0.3367

■ 50.2135, 0.2206,
0.2852

■ 94.6387, 0.3244,
0.3410

■ 47.4815, 0.2142,
0.2783

■ 97.4204, 0.3240,
0.3452

■ 45.1011, 0.2097,
0.2714

■ 98.8361, 0.3238,
0.3473

■ 43.4791, 0.2073,
0.2663

Harmonies

Analogous

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



70.5161, 0.2870, 0.3343



70.5161, 0.2786, 0.3175



70.5161, 0.2790, 0.3045

Triad

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



70.5161, 0.2786, 0.3175



70.5161, 0.3226, 0.3092



70.5161, 0.3373, 0.3605

Complementary

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



70.5161, 0.2786, 0.3175



59.4291, 0.3563, 0.3402

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.



70.5161, 0.3474, 0.3526



70.5161, 0.2786, 0.3175



70.5161, 0.3389, 0.3231

Square

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



70.5161, 0.2786, 0.3175



70.5161, 0.3040, 0.3003



70.5161, 0.3481, 0.3388



70.5161, 0.3206, 0.3598

Rectangle

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



70.5161, 0.2786, 0.3175



70.5161, 0.2843, 0.2996



70.5161, 0.3481, 0.3388



70.5161, 0.3416, 0.3587

Sweetspot

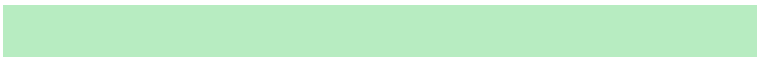
The Sweet Spot groups the original color and five complimentary colors.



70.5190, 0.2786, 0.3175



94.6355, 0.3018, 0.3257



73.9066, 0.3040, 0.3800



20.1603, 0.3009, 0.3254



0.0000, 0.0000, 0.0000



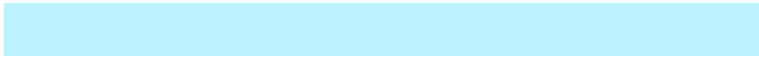
21.4041, 0.3127, 0.3290

Same Dimension

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



70.5190, 0.2786, 0.3175



81.1700, 0.2718, 0.3148



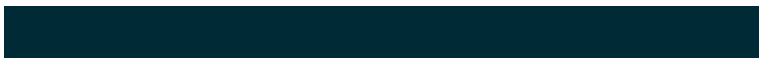
57.3616, 0.2763, 0.2866



16.6094, 0.2981, 0.3244



24.1470, 0.2076, 0.2674



2.0208, 0.2102, 0.2768

Inverse Universe

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



57.2184, 0.3230, 0.2832



62.8506, 0.3256, 0.2734



72.0420, 0.3502, 0.3681



15.2621, 0.3167, 0.3101



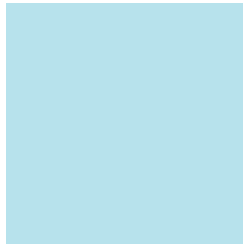
11.9305, 0.3753, 0.1841



0.9494, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 70.5161, 0.2786, 0.3175 looks on a white background.

Color Contrast Check

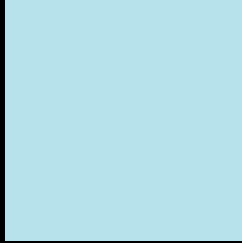
Large Text (above 18pt) WCAG AA × Fail

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 70.5161, 0.2786, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

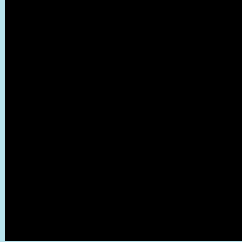
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5161, 0.2786, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 70.5161, 0.2786, 0.3175.

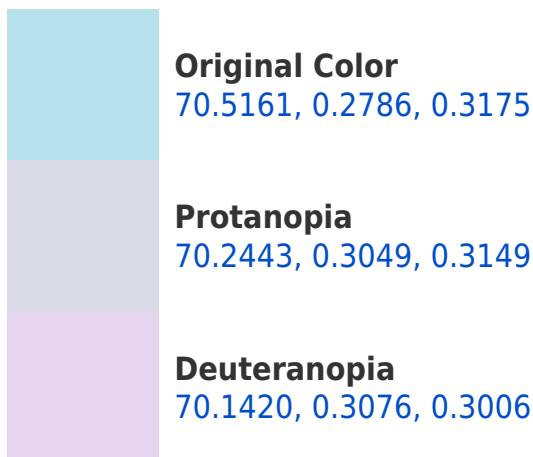


This preview shows how white text looks on a background with the Yxy color 70.5161, 0.2786, 0.3175.

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

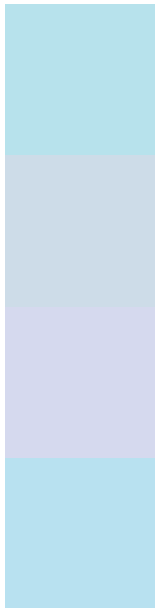




Tritanopia

70.5118, 0.2752, 0.3086

Trichromacy



Original Color

70.5161, 0.2786, 0.3175

Protanomaly

69.9917, 0.2947, 0.3157

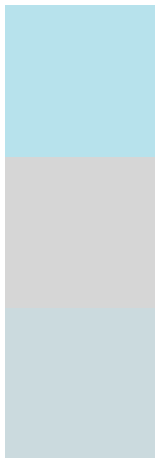
Deuteranomaly

69.9449, 0.2963, 0.3062

Tritanomaly

70.3320, 0.2768, 0.3119

Monochromacy



Original Color

70.5161, 0.2786, 0.3175

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.1132, 0.2995, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5161, 0.2786, 0.3175 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(183, 226, 236)` looks like.

```
.text, #text, p{  
    color:rgb(183, 226, 236)  
}
```

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(183, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 226, 236) }
```

Border

The CSS property to change the border of an element to Yxy 70.5161, 0.2786, 0.3175 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(183, 226, 236) }
```

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

```
.border{ border-color:rgb(183, 226, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 226, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 226, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 226, 236); box-shadow:4px 4px 4px 4px rgb(183, 226, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5161, 0.2786, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 226, 236) }
```

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

```
.background{ background-color: rgb(183,  
226, 236) }
```

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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