

Converting Colors

$Yxy(70.2016, 0.2708, 0.3183)$

Have a look what the booklet for
Yxy(70.2016, 0.2708, 0.3183)
contains.

Yxy(70.1473, 0.2706, 0.3185)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.1473, 0.2706, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	AAE4ED
RGB	170, 228, 237
RGB Percent	67%, 89%, 93%
CMY	0.3335, 0.1058, 0.0707
CMYK	0.28, 0.04, 0.00, 0.07
HSL	188°, 65%, 80%
HSV	188°, 28%, 93%
XYZ	59.5977, 70.1473, 90.4977
YIQ	211.6840, -37.4570, -9.4970

Conversions

Conversions Part 2

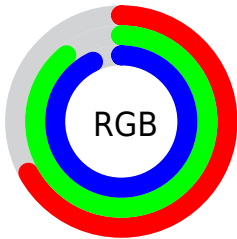
Format	Color
R _{YB}	170, 201, 237
Decimal	11199725
CIE Lab	87.07, -16.31, -10.34
CIE LCh	87, 19.307, 212.373
Yxy	70.1473, 0.2706, 0.3185
Android (android.graphics.Color)	4289389805 (0xFFAAE4ED)
YUV	211.6840, 12.4808, -36.5569
Hunter-Lab	83.7540, -19.5524, -5.4361

Details

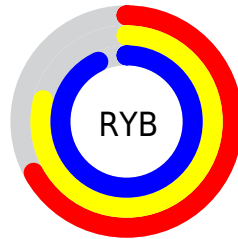
The Yxy color **70.1473, 0.2706, 0.3185** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.1105, 0.3722, 0.3392**, and the grayscale version is **65.5481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **36.5542, 0.2611, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **66.0162, 0.2574, 0.3142**, and if you desaturate by 10%, it is **74.7920, 0.2849, 0.3225**.

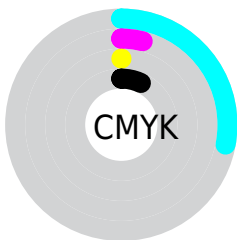
Distribution



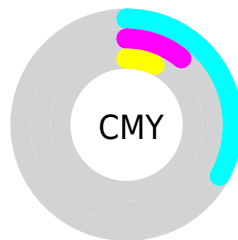
- Red (67%)
- Green (89%)
- Blue (93%)



- Red (67%)
- Yellow (79%)
- Blue (93%)



- Cyan (28%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)




- Cyan (33%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1473, 0.2706, 0.3185 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 70.1473, 0.2706, 0.3185 by changing the saturation by 10% instead.


 70.1473, 0.2706,
0.3185

 70.1473, 0.2706,
0.3185


461.0670, 0.2899,
0.3237

 51.6466, 0.2662,
0.3172


 119.4188, 0.2773,
0.3204

 36.7235, 0.2608,
0.3156


150.9584, 0.2799,
0.3211

 24.9935, 0.2540,
0.3135


187.6131, 0.2821,
0.3217

 16.0722, 0.2452,
0.3106

229.7673, 0.2841,
0.3222

 9.5753, 0.2334,
0.3065

277.8054, 0.2858,
0.3227

 5.1183, 0.2166,
0.3002

332.1118, 0.2874,

 2.3168, 0.1911,

0.3231

393.0709, 0.2887,
0.3234

0.2894

0.7826, 0.1217,
0.2755

0.0000, 0.0000,
0.0000

70.1473, 0.2706,
0.3185

70.1473, 0.2706,
0.3185

66.0162, 0.2574,
0.3142

74.7920, 0.2849,
0.3225

62.3643, 0.2455,
0.3098

79.9656, 0.2999,
0.3262

59.1665, 0.2353,
0.3051

85.6932, 0.3154,
0.3296

56.3914, 0.2269,
0.3004

90.0985, 0.3245,
0.3327

■ 54.0035, 0.2204,
0.2956

■ 91.9872, 0.3242,
0.3357

■ 51.9608, 0.2159,
0.2909

■ 93.9087, 0.3239,
0.3388

■ 50.2041, 0.2130,
0.2862

■ 95.8631, 0.3236,
0.3418

■ 49.9156, 0.2126,
0.2854

■ 97.8507, 0.3234,
0.3448

■ 98.8929, 0.3232,
0.3464

Harmonies

Analogous

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



70.1473, 0.2834, 0.3407



70.1473, 0.2706, 0.3185



70.1473, 0.2686, 0.3004

Triad

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



70.1473, 0.2706, 0.3185



70.1473, 0.3200, 0.3006



70.1473, 0.3480, 0.3681

Complementary

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



70.1473, 0.2706, 0.3185



53.1105, 0.3722, 0.3392

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.



70.1473, 0.3588, 0.3555



70.1473, 0.2706, 0.3185



70.1473, 0.3423, 0.3171

Square

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



70.1473, 0.2706, 0.3185



70.1473, 0.2964, 0.2911



70.1473, 0.3567, 0.3369



70.1473, 0.3278, 0.3702

Rectangle

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



70.1473, 0.2706, 0.3185



70.1473, 0.2736, 0.2929



70.1473, 0.3567, 0.3369



70.1473, 0.3528, 0.3649

Sweetspot

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



70.1501, 0.2706, 0.3185



94.6064, 0.3003, 0.3263



72.3457, 0.3038, 0.3997



20.0427, 0.2980, 0.3257



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.



70.1501, 0.2706, 0.3185



79.9242, 0.2627, 0.3160



53.4772, 0.2664, 0.2779



16.7584, 0.2981, 0.3258



27.4000, 0.2128, 0.2862



2.2468, 0.2146, 0.2927

Inverse Universe

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



52.3387, 0.3232, 0.2673



55.8720, 0.3258, 0.2545



68.1899, 0.3622, 0.3753



15.2771, 0.3158, 0.3088



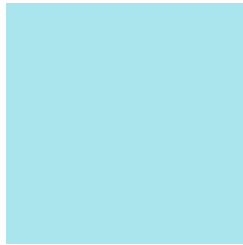
12.2589, 0.3578, 0.1745



0.9722, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 70.1473, 0.2706, 0.3185 looks on a white background.

Color Contrast Check

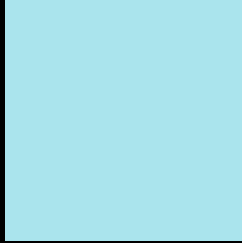
Large Text (above 18pt) WCAG AA × Fail

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 70.1473, 0.2706, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

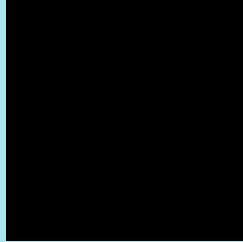
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1473, 0.2706, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 70.1473, 0.2706, 0.3185.

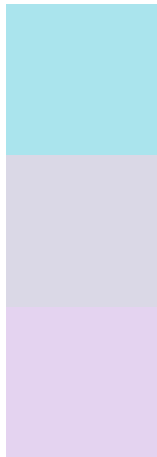


This preview shows how white text looks on a background with the Yxy color 70.1473, 0.2706, 0.3185.

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

70.1473, 0.2706, 0.3185

Protanopia

69.7303, 0.3049, 0.3138

Deuteranopia

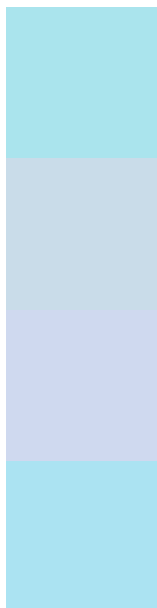
69.3738, 0.3055, 0.2984



Tritanopia

70.3014, 0.2674, 0.3083

Trichromacy



Original Color

70.1473, 0.2706, 0.3185

Protanomaly

69.4871, 0.2914, 0.3144

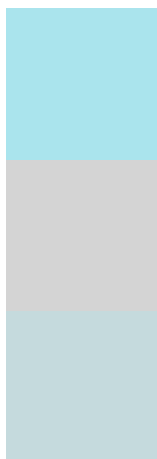
Deuteranomaly

69.1231, 0.2916, 0.3048

Tritanomaly

70.0069, 0.2684, 0.3116

Monochromacy



Original Color

70.1473, 0.2706, 0.3185

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.2336, 0.2961, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1473, 0.2706, 0.3185 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(170, 228, 237)` looks like.

```
.text, #text, p{  
    color:rgb(170, 228, 237)  
}
```

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(170, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 228, 237) }
```

Border

The CSS property to change the border of an element to Yxy 70.1473, 0.2706, 0.3185 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(170, 228, 237) }
```

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

```
.border{ border-color:rgb(170, 228, 237) }
```

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

Here you see how a box with a 4 pixel rgb(170, 228, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(170, 228,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1473, 0.2706, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 228, 237) }
```

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

```
.background{ background-color: rgb(170,  
228, 237) }
```

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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