

Converting Colors

$Yxy(70.6528, 0.2706, 0.3262)$

Have a look what the booklet for
Yxy(70.6528, 0.2706, 0.3262)
contains.

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Color

Yxy(70.4762, 0.2702, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	A5E6E9
RGB	165, 230, 233
RGB Percent	65%, 90%, 91%
CMY	0.3529, 0.0980, 0.0864
CMYK	0.29, 0.01, 0.00, 0.09
HSL	183°, 61%, 78%
HSV	183°, 29%, 91%
XYZ	58.5208, 70.4762, 87.5863
YIQ	210.9070, -39.7030, -12.8470

Conversions

Conversions Part 2

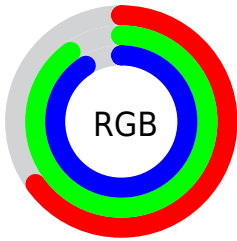
Format	Color
R _Y B	165, 198, 233
Decimal	10872553
CIE Lab	87.23, -19.59, -8.02
CIE LCh	87, 21.171, 202.264
Yxy	70.4762, 0.2702, 0.3254
Android (android.graphics.Color)	4289062633 (0xFFA5E6E9)
YUV	210.9070, 10.8918, -40.2604
Hunter-Lab	83.9501, -22.4821, -3.0930

Details

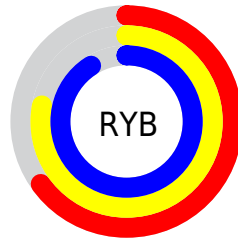
The Yxy color **70.4762, 0.2702, 0.3254** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.0358, 0.3766, 0.3326**, and the grayscale version is **65.0261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **36.7614, 0.2602, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **67.6395, 0.2579, 0.3240**, and if you desaturate by 10%, it is **73.7769, 0.2839, 0.3267**.

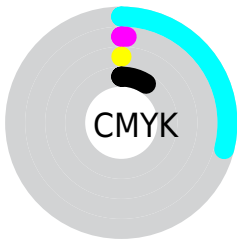
Distribution



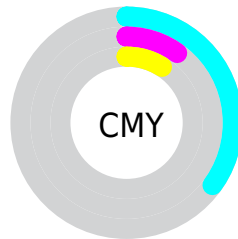
- Red (65%)
- Green (90%)
- Blue (91%)



- Red (65%)
- Yellow (78%)
- Blue (91%)



- Cyan (29%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)





- Cyan (35%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4762, 0.2702, 0.3254 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 70.4762, 0.2702, 0.3254 by changing the saturation by 10% instead.

 70.4762, 0.2702,
0.3254

 70.4762, 0.2702,
0.3254


462.2203, 0.2897,
0.3274

 51.9149, 0.2658,
0.3249


 119.8876, 0.2769,
0.3262

 36.9372, 0.2603,
0.3242


 151.5064, 0.2796,
0.3264

 25.1589, 0.2535,
0.3232


188.2466, 0.2819,
0.3267

 16.1955, 0.2446,
0.3218

230.4924, 0.2838,
0.3269

 9.6626, 0.2325,
0.3198

278.6282, 0.2856,
0.3270

 5.1758, 0.2155,
0.3164

333.0386, 0.2871,

 2.3508, 0.1896,

0.3272

0.3101

394.1078, 0.2885,
0.3273

0.8004, 0.1089,
0.3084

0.0000, 0.0000,
0.0000

70.4762, 0.2702,
0.3254

70.4762, 0.2702,
0.3254

67.6395, 0.2579,
0.3240

73.7769, 0.2839,
0.3267

65.2336, 0.2471,
0.3226

77.5559, 0.2986,
0.3280

63.2343, 0.2381,
0.3211

81.8374, 0.3140,
0.3291

61.6113, 0.2311,
0.3196

86.0280, 0.3277,
0.3301

60.3303, 0.2260,
0.3181

86.6090, 0.3276,
0.3311

59.3506, 0.2227,
0.3167

87.1932, 0.3275,
0.3321

58.6088, 0.2210,
0.3153

87.7807, 0.3274,
0.3331

58.5511, 0.2209,
0.3151

88.3717, 0.3273,
0.3341

88.9659, 0.3272,
0.3351

Harmonies

Analogous

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



70.4762, 0.2875, 0.3497



70.4762, 0.2702, 0.3254



70.4762, 0.2639, 0.3034

Triad

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



70.4762, 0.2702, 0.3254



70.4762, 0.3117, 0.2936



70.4762, 0.3567, 0.3682

Complementary

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



70.4762, 0.2702, 0.3254



48.0358, 0.3766, 0.3326

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.



70.4762, 0.3641, 0.3514



70.4762, 0.2702, 0.3254



70.4762, 0.3375, 0.3093

Square

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



70.4762, 0.2702, 0.3254



70.4762, 0.2872, 0.2863



70.4762, 0.3570, 0.3301



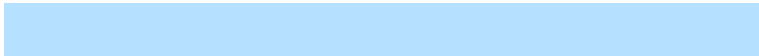
70.4762, 0.3374, 0.3749

Rectangle

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



70.4762, 0.2702, 0.3254



70.4762, 0.2666, 0.2931



70.4762, 0.3570, 0.3301



70.4762, 0.3607, 0.3634

Sweetspot

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



70.4790, 0.2702, 0.3254



95.2667, 0.2988, 0.3280



69.0630, 0.3074, 0.4110



20.2375, 0.2966, 0.3278



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.



70.4790, 0.2702, 0.3254



84.3597, 0.2626, 0.3246



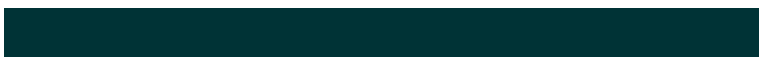
53.6928, 0.2658, 0.2847



17.0026, 0.2981, 0.3279



33.2821, 0.2209, 0.3154



2.6484, 0.2215, 0.3173

Inverse Universe

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



49.9493, 0.3185, 0.2594



55.4133, 0.3199, 0.2453



61.9305, 0.3660, 0.3695



15.3018, 0.3145, 0.3068



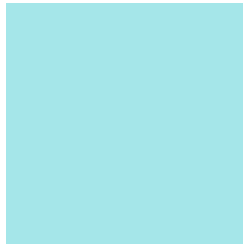
12.8527, 0.3321, 0.1603



1.0128, 0.3304, 0.1594

Previews

White Background



This preview shows how the Yxy color 70.4762, 0.2702, 0.3254 looks on a white background.

Color Contrast Check

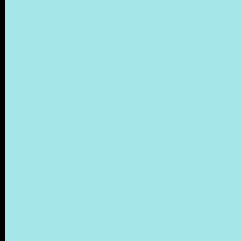
Large Text (above 18pt) WCAG AA × Fail

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 70.4762, 0.2702, 0.3254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

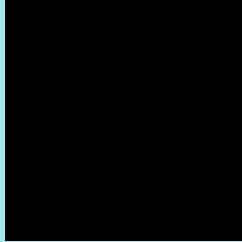
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4762, 0.2702, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 70.4762, 0.2702, 0.3254.

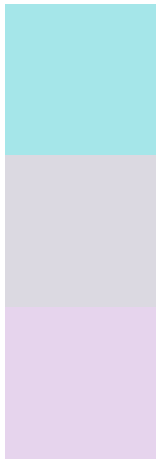


This preview shows how white text looks on a background with the Yxy color 70.4762, 0.2702, 0.3254.

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

70.4762, 0.2702, 0.3254

Protanopia

70.1220, 0.3088, 0.3203

Deuteranopia

70.0244, 0.3089, 0.3027



Tritanopia

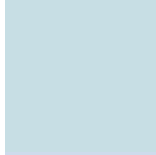
70.4655, 0.2648, 0.3083

Trichromacy



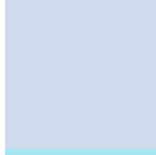
Original Color

70.4762, 0.2702, 0.3254



Protanomaly

69.9861, 0.2932, 0.3222



Deuteranomaly

69.8410, 0.2928, 0.3102



Tritanomaly

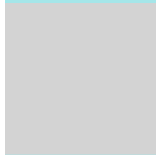
70.6050, 0.2670, 0.3150

Monochromacy



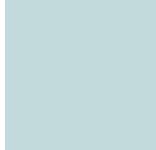
Original Color

70.4762, 0.2702, 0.3254



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

66.7266, 0.2953, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4762, 0.2702, 0.3254 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(165, 230, 233)` looks like.

```
.text, #text, p{  
    color:rgb(165, 230, 233)  
}
```

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(165, 230, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 230, 233) }
```

Border

The CSS property to change the border of an element to Yxy 70.4762, 0.2702, 0.3254 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(165, 230, 233) }
```

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

```
.border{ border-color:rgb(165, 230, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 230, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 230, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 230, 233);  
box-shadow:4px 4px 4px 4px rgb(165, 230,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4762, 0.2702, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 230, 233) }
```

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

```
.background{ background-color: rgb(165,  
230, 233) }
```

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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