

Converting Colors

$Yxy(66.3449, 0.2753, 0.3312)$

Have a look what the booklet for
Yxy(66.3449, 0.2753, 0.3312)
contains.

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Color

Yxy(66.5846, 0.2754, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	A5E0DE
RGB	165, 224, 222
RGB Percent	65%, 88%, 87%
CMY	0.3531, 0.1215, 0.1294
CMYK	0.26, 0.00, 0.01, 0.12
HSL	178°, 49%, 76%
HSV	178°, 26%, 88%
XYZ	55.3498, 66.5846, 79.0453
YIQ	206.1310, -34.5220, -13.1300

Conversions

Conversions Part 2

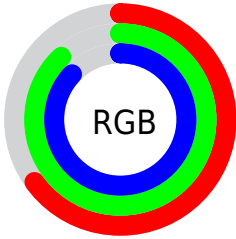
Format	Color
R _Y B	165, 195, 224
Decimal	10871006
CIE Lab	85.29, -19.07, -5.11
CIE LCh	85, 19.744, 194.986
Yxy	66.5846, 0.2754, 0.3313
Android (android.graphics.Color)	4289061086 (0xFFA5E0DE)
YUV	206.1310, 7.8234, -36.0719
Hunter-Lab	81.5994, -21.7203, -0.3147

Details

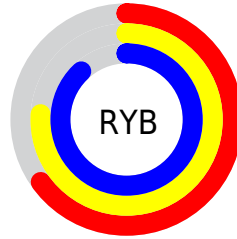
The Yxy color **66.5846, 0.2754, 0.3313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.5302, 0.3672, 0.3268**, and the grayscale version is **61.7706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **34.5455, 0.2664, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **64.3520, 0.2633, 0.3323**, and if you desaturate by 10%, it is **69.2434, 0.2888, 0.3304**.

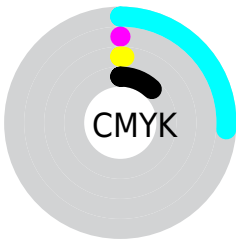
Distribution



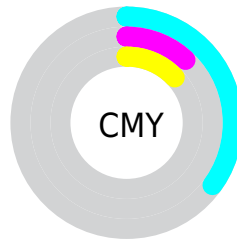
- Red (65%)
- Green (88%)
- Blue (87%)



- Red (65%)
- Yellow (76%)
- Blue (88%)



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)



- Cyan (35%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5846, 0.2754, 0.3313 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 66.5846, 0.2754, 0.3313 by changing the saturation by 10% instead.


 66.5846, 0.2754,
0.3313


 66.5846, 0.2754,
0.3313


448.4647, 0.2928,
0.3304

 48.7471, 0.2714,
0.3314

 114.3250, 0.2815,
0.3310

 34.4189, 0.2665,
0.3316

 144.9967, 0.2838,
0.3309

 23.2156, 0.2602,
0.3317


180.7152, 0.2858,
0.3308

 14.7528, 0.2519,
0.3318

221.8650, 0.2876,
0.3307

 8.6461, 0.2406,
0.3318

268.8305, 0.2891,
0.3307

 4.5111, 0.2242,
0.3315

321.9960, 0.2905,

 1.9634, 0.1986,

0.3306

381.7459, 0.2917,
0.3305

0.3301

0.5860, 0.0546,
0.3503

0.0000, 0.0000,
0.0000

66.5846, 0.2754,
0.3313

66.5846, 0.2754,
0.3313

64.3520, 0.2633,
0.3323

69.2434, 0.2888,
0.3304

62.5156, 0.2528,
0.3333

72.3408, 0.3032,
0.3295


61.0542, 0.2440,
0.3344

75.8983, 0.3183,
0.3287


59.9412, 0.2372,
0.3355


79.9340, 0.3338,
0.3280

 59.1467, 0.2323,
0.3367


 80.0599, 0.3336,
0.3273


 58.6358, 0.2292,
0.3378

 80.1018, 0.3330,
0.3265

 58.3645, 0.2279,
0.3389

 80.1438, 0.3325,
0.3257

 58.2976, 0.2276,
0.3393

 80.1861, 0.3320,
0.3250

 80.2285, 0.3315,
0.3242

Harmonies

Analogous

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



66.5846, 0.2940, 0.3537



66.5846, 0.2754, 0.3313



66.5846, 0.2666, 0.3093

Triad

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



66.5846, 0.2754, 0.3313



66.5846, 0.3058, 0.2927



66.5846, 0.3574, 0.3631

Complementary

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



66.5846, 0.2754, 0.3313



45.5302, 0.3672, 0.3268

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.



66.5846, 0.3611, 0.3457



66.5846, 0.2754, 0.3313



66.5846, 0.3307, 0.3060

Square

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



66.5846, 0.2754, 0.3313



66.5846, 0.2836, 0.2882



66.5846, 0.3512, 0.3250



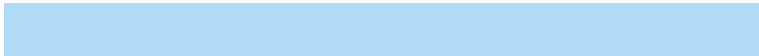
66.5846, 0.3414, 0.3721

Rectangle

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



66.5846, 0.2754, 0.3313



66.5846, 0.2673, 0.2980



66.5846, 0.3512, 0.3250



66.5846, 0.3602, 0.3580

Sweetspot

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



66.5873, 0.2754, 0.3313



96.2896, 0.3007, 0.3296



64.3481, 0.3112, 0.4039



20.4702, 0.2985, 0.3298



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.



66.5873, 0.2754, 0.3313



87.4925, 0.2681, 0.3319



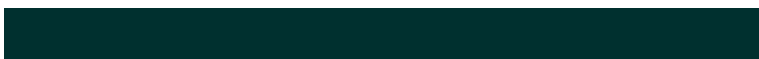
53.5070, 0.2712, 0.2959



15.5639, 0.2987, 0.3298



33.9321, 0.2275, 0.3391



2.3545, 0.2271, 0.3374

Inverse Universe

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



45.5302, 0.3672, 0.3268



54.4423, 0.3843, 0.3263



56.0571, 0.3613, 0.3599



13.7080, 0.3287, 0.3282



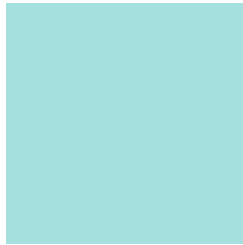
9.2374, 0.6363, 0.3279



0.6430, 0.6253, 0.3218

Previews

White Background



This preview shows how the Yxy color 66.5846, 0.2754, 0.3313 looks on a white background.

Color Contrast Check

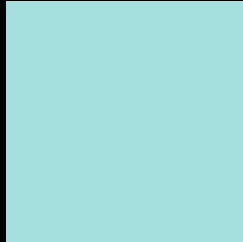
Large Text (above 18pt) WCAG AA × Fail

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 66.5846, 0.2754, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

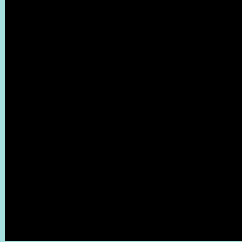
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

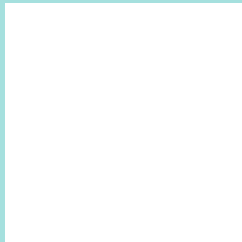
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5846, 0.2754, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 66.5846, 0.2754, 0.3313.

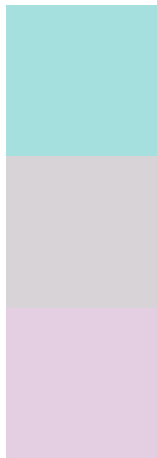


This preview shows how white text looks on a background with the Yxy color 66.5846, 0.2754, 0.3313.

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

66.5846, 0.2754, 0.3313

Protanopia

65.9419, 0.3129, 0.3245

Deuteranopia

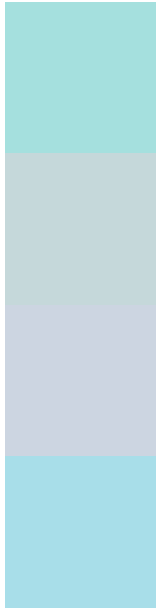
65.9645, 0.3145, 0.3074



Tritanopia

66.3799, 0.2681, 0.3079

Trichromacy



Original Color

66.5846, 0.2754, 0.3313

Protanomaly

66.0440, 0.2979, 0.3267

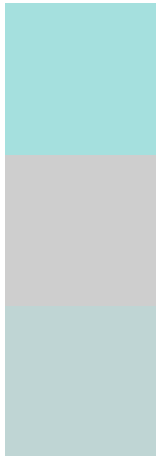
Deuteranomaly

65.8621, 0.2983, 0.3154

Tritanomaly

66.4506, 0.2709, 0.3159

Monochromacy



Original Color

66.5846, 0.2754, 0.3313

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.4183, 0.2976, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5846, 0.2754, 0.3313 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, 224, 222)` looks like.

```
.text, #text, p{  
    color:rgb(165, 224, 222)  
}
```

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, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 224, 222) }
```

Border

The CSS property to change the border of an element to Yxy 66.5846, 0.2754, 0.3313 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, 224, 222) }
```

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

```
.border{ border-color:rgb(165, 224, 222) }
```

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

Here you see how a box with a 4 pixel rgb(165, 224, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 224, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 224, 222);  
box-shadow:4px 4px 4px 4px rgb(165, 224,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5846, 0.2754, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 224, 222) }
```

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

```
.background{ background-color: rgb(165,  
224, 222) }
```

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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