

Converting Colors

$Yxy(69.9754, 0.2756, 0.3260)$

Have a look what the booklet for
Yxy(69.9754, 0.2756, 0.3260)
contains.

Yxy(69.9706, 0.2755, 0.3266)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.9706, 0.2755, 0.3266)

Conversions

Conversions Part 1

Format	Color
Hex	ACE4E6
RGB	172, 228, 230
RGB Percent	67%, 89%, 90%
CMY	0.3258, 0.1058, 0.0981
CMYK	0.25, 0.01, 0.00, 0.10
HSL	182°, 54%, 79%
HSV	182°, 25%, 90%
XYZ	59.0230, 69.9706, 85.2459
YIQ	211.4840, -34.0180, -11.2500

Conversions

Conversions Part 2

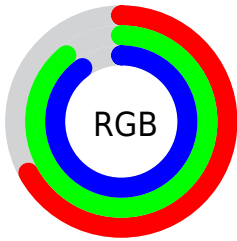
Format	Color
R_{YB}	172, 200, 230
Decimal	11330790
CIE Lab	86.98, -17.31, -6.78
CIE LCh	87, 18.592, 201.375
Yxy	69.9706, 0.2755, 0.3266
Android (android.graphics.Color)	4289520870 (0xFFACE4E6)
YUV	211.4840, 9.1284, -34.6275
Hunter-Lab	83.6484, -20.4338, -1.8684

Details

The Yxy color **69.9706, 0.2755, 0.3266** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.0187, 0.3656, 0.3314**, and the grayscale version is **65.4234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **36.4517, 0.2665, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **67.1678, 0.2627, 0.3255**, and if you desaturate by 10%, it is **73.2312, 0.2896, 0.3276**.

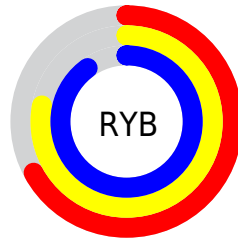
Distribution



Red (67%)

Green (89%)

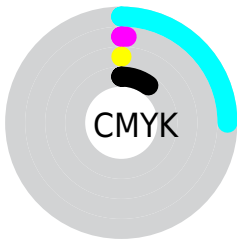
Blue (90%)



Red (67%)

Yellow (78%)

Blue (90%)

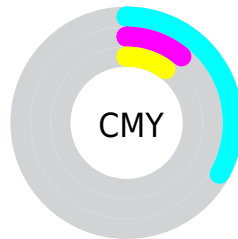


Cyan (25%)

Magenta (1%)

Yellow (0%)

Black (10%)



Cyan (33%)

Magenta (11%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9706, 0.2755, 0.3266 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 69.9706, 0.2755, 0.3266 by changing the saturation by 10% instead.

69.9706, 0.2755,
0.3266

69.9706, 0.2755,
0.3266

460.4468, 0.2927,
0.3280

51.5026, 0.2716,
0.3262

119.1668, 0.2814,
0.3271

36.6087, 0.2668,
0.3257

150.6638, 0.2838,
0.3273

24.9047, 0.2607,
0.3251

187.2726, 0.2858,
0.3275

16.0061, 0.2528,
0.3241

229.3775, 0.2875,
0.3276

9.5284, 0.2420,
0.3226

277.3630, 0.2890,
0.3277

5.0874, 0.2267,
0.3201

331.6134, 0.2904,

2.2987, 0.2031,

0.3278

392.5132, 0.2916,
0.3279

0.3154

0.7730, 0.1276,
0.3162

0.0000, 0.0000,
0.0000

69.9706, 0.2755,
0.3266

69.9706, 0.2755,
0.3266

67.1678, 0.2627,
0.3255

73.2312, 0.2896,
0.3276

64.7911, 0.2514,
0.3244

76.9626, 0.3046,
0.3285

62.8180, 0.2418,
0.3233

81.1879, 0.3202,
0.3294

61.2207, 0.2341,
0.3222

84.1974, 0.3299,
0.3302

■ 59.9676, 0.2284,
0.3210

■ 84.6334, 0.3298,
0.3310

■ 59.0220, 0.2245,
0.3199

■ 85.0713, 0.3298,
0.3317

■ 58.3390, 0.2224,
0.3188

■ 85.5111, 0.3297,
0.3325

■ 58.0720, 0.2217,
0.3183

■ 85.9529, 0.3296,
0.3332

■ 86.3966, 0.3295,
0.3340

Harmonies

Analogous

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



69.9706, 0.2911, 0.3478



69.9706, 0.2755, 0.3266



69.9706, 0.2696, 0.3071

Triad

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



69.9706, 0.2755, 0.3266



69.9706, 0.3112, 0.2973



69.9706, 0.3518, 0.3632

Complementary

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



69.9706, 0.2755, 0.3266



50.0187, 0.3656, 0.3314

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.



69.9706, 0.3579, 0.3484



69.9706, 0.2755, 0.3266



69.9706, 0.3340, 0.3111

Square

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



69.9706, 0.2755, 0.3266



69.9706, 0.2896, 0.2912



69.9706, 0.3513, 0.3295



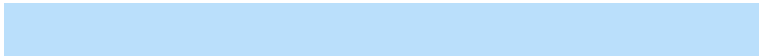
69.9706, 0.3352, 0.3693

Rectangle

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



69.9706, 0.2755, 0.3266



69.9706, 0.2718, 0.2977



69.9706, 0.3513, 0.3295



69.9706, 0.3552, 0.3591

Sweetspot

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



69.9734, 0.2755, 0.3266



95.8955, 0.3003, 0.3283



68.3963, 0.3082, 0.3984



20.3700, 0.2980, 0.3281



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.



69.9734, 0.2755, 0.3266



86.6273, 0.2690, 0.3261



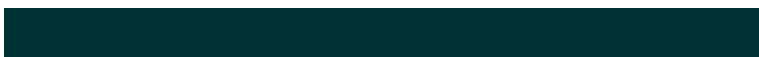
55.3258, 0.2724, 0.2914



16.2485, 0.2982, 0.3282



32.9200, 0.2218, 0.3184



2.4590, 0.2222, 0.3200

Inverse Universe

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



51.8949, 0.3172, 0.2682



60.3549, 0.3182, 0.2564



62.4531, 0.3577, 0.3638



14.6064, 0.3143, 0.3066



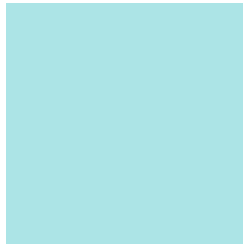
12.5210, 0.3295, 0.1589



0.9279, 0.3282, 0.1581

Previews

White Background



This preview shows how the Yxy color 69.9706, 0.2755, 0.3266 looks on a white background.

Color Contrast Check

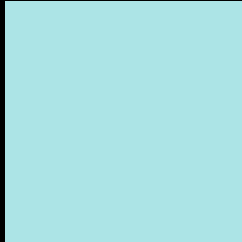
Large Text (above 18pt) WCAG AA × Fail

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 69.9706, 0.2755, 0.3266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

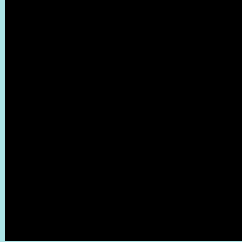
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.9706, 0.2755, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 69.9706, 0.2755, 0.3266.

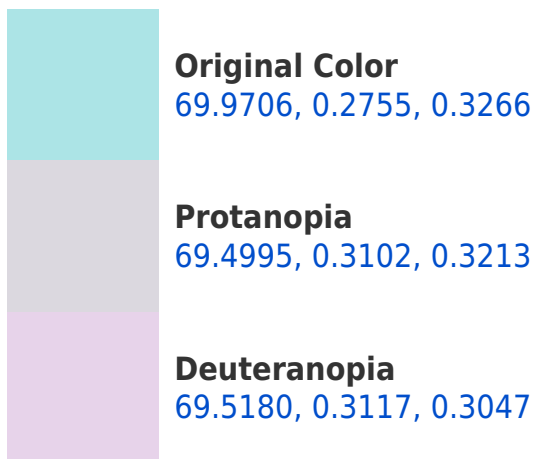


This preview shows how white text looks on a background with the Yxy color 69.9706, 0.2755, 0.3266.

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

70.0383, 0.2695, 0.3084

Trichromacy



Original Color

69.9706, 0.2755, 0.3266

Protanomaly

69.2339, 0.2964, 0.3222

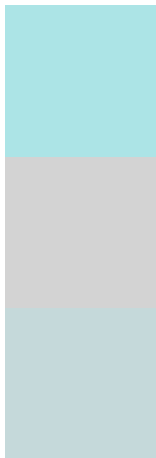
Deuteranomaly

69.2105, 0.2974, 0.3114

Tritanomaly

70.1688, 0.2717, 0.3151

Monochromacy



Original Color

69.9706, 0.2755, 0.3266

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.5580, 0.2979, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9706, 0.2755, 0.3266 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(172, 228, 230)` looks like.

```
.text, #text, p{  
    color:rgb(172, 228, 230)  
}
```

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(172, 228, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 228, 230) }
```

Border

The CSS property to change the border of an element to Yxy 69.9706, 0.2755, 0.3266 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(172, 228, 230) }
```

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

```
.border{ border-color:rgb(172, 228, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 228, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 228, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 228, 230);  
box-shadow:4px 4px 4px 4px rgb(172, 228,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9706, 0.2755, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 228, 230) }
```

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

```
.background{ background-color: rgb(172,  
228, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor