

Converting Colors

$Yxy(66.7355, 0.2767, 0.3360)$

Have a look what the booklet for
Yxy(66.7355, 0.2767, 0.3360)
contains.

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Color

Yxy(66.8574, 0.2766, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	A4E1DB
RGB	164, 225, 219
RGB Percent	64%, 88%, 86%
CMY	0.3569, 0.1176, 0.1411
CMYK	0.27, 0.00, 0.03, 0.12
HSL	174°, 50%, 76%
HSV	174°, 27%, 88%
XYZ	55.0216, 66.8574, 77.0422
YIQ	206.0770, -34.4300, -14.7980

Conversions

Conversions Part 2

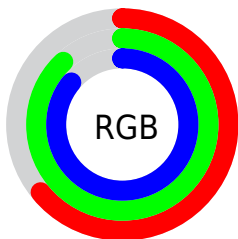
Format	Color
RYB	164, 196, 225
Decimal	10805723
CIELab	85.43, -20.50, -3.34
CIELCh	85, 20.765, 189.245
Yxy	66.8574, 0.2766, 0.3361
Android (android.graphics.Color)	4288995803 (0xFFA4E1DB)
YUV	206.0770, 6.3710, -36.9015
Hunter-Lab	81.7664, -22.9763, 1.3721

Details

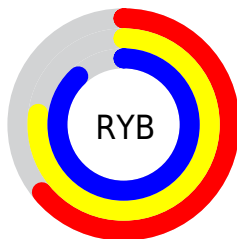
The Yxy color **66.8574, 0.2766, 0.3361** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4549, 0.3655, 0.3221**, and the grayscale version is **61.7488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **34.7448, 0.2680, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **64.5592, 0.2652, 0.3391**, and if you desaturate by 10%, it is **69.5861, 0.2892, 0.3333**.

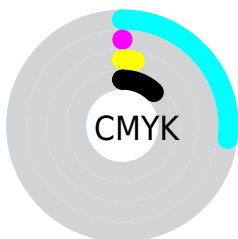
Distribution



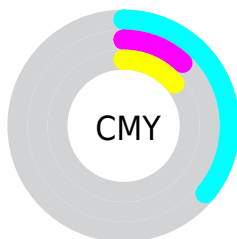
- Red (64%)
- Green (88%)
- Blue (86%)



- Red (64%)
- Yellow (77%)
- Blue (88%)



- Cyan (27%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)





- Cyan (36%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8574, 0.2766, 0.3361 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 66.8574, 0.2766, 0.3361 by changing the saturation by 10% instead.

 66.8574, 0.2766,
0.3361


 66.8574, 0.2766,
0.3361

449.4370, 0.2934,
0.3329

 48.9687, 0.2727,
0.3368


 114.7161, 0.2825,
0.3350

 34.5947, 0.2679,
0.3376


 145.4549, 0.2847,
0.3346

 23.3508, 0.2618,
0.3387


181.2458, 0.2867,
0.3342

 14.8528, 0.2538,
0.3400

222.4733, 0.2884,
0.3339

 8.7161, 0.2427,
0.3417

269.5218, 0.2899,
0.3336

 4.5565, 0.2267,
0.3439

322.7757, 0.2912,

 1.9895, 0.2015,

0.3334

382.6193, 0.2924,
0.3331

0.3468

0.6013, 0.0456,
0.3853

0.0000, 0.0000,
0.0000

66.8574, 0.2766,
0.3361

66.8574, 0.2766,
0.3361

64.5592, 0.2652,
0.3391

69.5861, 0.2892,
0.3333

62.6609, 0.2554,
0.3423

72.7577, 0.3027,
0.3307

61.1409, 0.2472,
0.3455

76.3944, 0.3168,
0.3283

59.9722, 0.2409,
0.3489

80.5143, 0.3313,
0.3262

■ 59.1242, 0.2366,
0.3523

■ 80.8289, 0.3306,
0.3240

■ 58.5611, 0.2341,
0.3557

■ 80.9535, 0.3291,
0.3219

■ 58.2357, 0.2334,
0.3590

■ 81.0797, 0.3276,
0.3197

■ 58.1636, 0.2333,
0.3599

■ 81.2074, 0.3261,
0.3175

■ 81.3368, 0.3246,
0.3154

Harmonies

Analogous

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



66.8574, 0.2976, 0.3589



66.8574, 0.2766, 0.3361



66.8574, 0.2652, 0.3123

Triad

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



66.8574, 0.2766, 0.3361



66.8574, 0.3005, 0.2893



66.8574, 0.3615, 0.3618

Complementary

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



66.8574, 0.2766, 0.3361



45.4549, 0.3655, 0.3221

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.



66.8574, 0.3627, 0.3424



66.8574, 0.2766, 0.3361



66.8574, 0.3266, 0.3017

Square

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



66.8574, 0.2766, 0.3361



66.8574, 0.2786, 0.2865



66.8574, 0.3497, 0.3207



66.8574, 0.3469, 0.3734

Rectangle

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



66.8574, 0.2766, 0.3361



66.8574, 0.2643, 0.2994



66.8574, 0.3497, 0.3207



66.8574, 0.3635, 0.3559

Sweetspot

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



66.8601, 0.2766, 0.3361



96.2062, 0.3014, 0.3309



65.0887, 0.3132, 0.4059



20.4490, 0.2993, 0.3313



0.0000, 0.0000, 0.0000



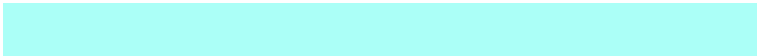
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8601, 0.2766, 0.3361



86.8617, 0.2695, 0.3379



54.9132, 0.2703, 0.2987



15.5480, 0.2995, 0.3313



33.5246, 0.2332, 0.3594



2.3305, 0.2317, 0.3543

Inverse Universe

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



45.4549, 0.3655, 0.3221



53.5875, 0.3823, 0.3205



54.8229, 0.3639, 0.3574



13.7222, 0.3277, 0.3267



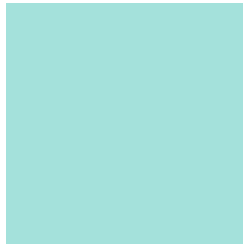
9.2655, 0.6283, 0.3235



0.6498, 0.5999, 0.3078

Previews

White Background



This preview shows how the Yxy color 66.8574, 0.2766, 0.3361 looks on a white background.

Color Contrast Check

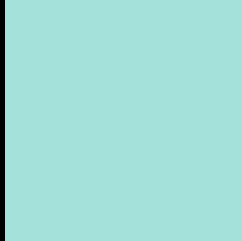
Large Text (above 18pt) WCAG AA × Fail

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 66.8574, 0.2766, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

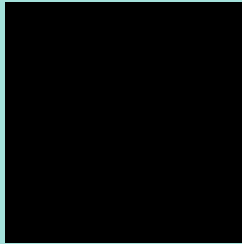
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

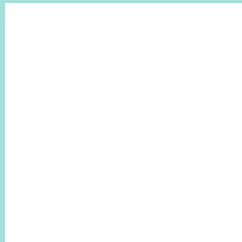
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.8574, 0.2766, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 66.8574, 0.2766, 0.3361.

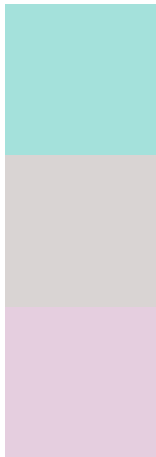


This preview shows how white text looks on a background with the Yxy color 66.8574, 0.2766, 0.3361.

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

66.8574, 0.2766, 0.3361

Protanopia

66.5418, 0.3171, 0.3301

Deuteranopia

66.1283, 0.3181, 0.3107



Tritanopia

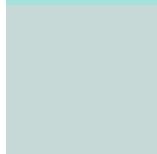
66.8587, 0.2671, 0.3079

Trichromacy



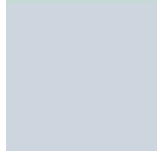
Original Color

66.8574, 0.2766, 0.3361



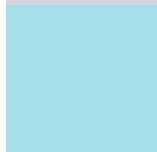
Protanomaly

66.4865, 0.3012, 0.3324



Deuteranomaly

65.8416, 0.3009, 0.3188



Tritanomaly

66.8170, 0.2710, 0.3183

Monochromacy



Original Color

66.8574, 0.2766, 0.3361



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.3680, 0.2982, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8574, 0.2766, 0.3361 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(164, 225, 219)` looks like.

```
.text, #text, p{  
    color:rgb(164, 225, 219)  
}
```

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(164, 225, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 225, 219) }
```

Border

The CSS property to change the border of an element to Yxy 66.8574, 0.2766, 0.3361 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(164, 225, 219) }
```

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

```
.border{ border-color:rgb(164, 225, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 225, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 225, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 225, 219);  
box-shadow:4px 4px 4px 4px rgb(164, 225,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8574, 0.2766, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 225, 219) }
```

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

```
.background{ background-color: rgb(164,  
225, 219) }
```

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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