

Converting Colors

$Yxy(66.7003, 0.2764, 0.3619)$

Have a look what the booklet for
Yxy(66.7003, 0.2764, 0.3619)
contains.

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Color

Yxy(66.5535, 0.2762, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	93E5CB
RGB	147, 229, 203
RGB Percent	58%, 90%, 80%
CMY	0.4234, 0.1020, 0.2039
CMYK	0.36, 0.00, 0.11, 0.10
HSL	161°, 61%, 74%
HSV	161°, 36%, 90%
XYZ	50.8354, 66.5535, 66.6639
YIQ	201.5180, -40.5260, -25.4700

Conversions

Conversions Part 2

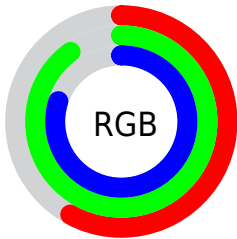
Format	Color
RYB	147, 196, 229
Decimal	9692619
CIELab	85.28, -30.68, 4.79
CIELCh	85, 31.052, 171.126
Yxy	66.5535, 0.2762, 0.3616
Android (android.graphics.Color)	4287882699 (0xFF93E5CB)
YUV	201.5180, 0.7306, -47.8123
Hunter-Lab	81.5803, -31.5363, 8.6570

Details

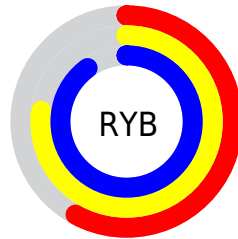
The Yxy color **66.5535, 0.2762, 0.3616** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.5549, 0.3710, 0.2991**, and the grayscale version is **58.7670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **34.3324, 0.2668, 0.3697** is the 20% darker color. If you saturate the color by 10%, you get **64.3068, 0.2681, 0.3725**, and if you desaturate by 10%, it is **69.2433, 0.2855, 0.3514**.

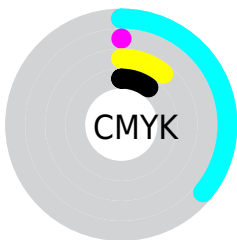
Distribution



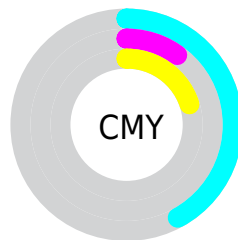
- Red (58%)
- Green (90%)
- Blue (80%)



- Red (58%)
- Yellow (77%)
- Blue (90%)



- Cyan (36%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)





- Cyan (42%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5535, 0.2762, 0.3616 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 66.5535, 0.2762, 0.3616 by changing the saturation by 10% instead.


 66.5535, 0.2762,
0.3616


 66.5535, 0.2762,
0.3616

448.3538, 0.2935,
0.3460

 48.7219, 0.2722,
0.3653

 114.2804, 0.2823,
0.3561

 34.3989, 0.2671,
0.3700


 144.9444, 0.2846,
0.3540

 23.2002, 0.2606,
0.3760


180.6547, 0.2866,
0.3521

 14.7414, 0.2521,
0.3841

221.7957, 0.2884,
0.3506

 8.6381, 0.2401,
0.3955

268.7516, 0.2899,
0.3492

 4.5059, 0.2224,
0.4129

321.9071, 0.2912,

 1.9604, 0.1937,

0.3480

0.4421

381.6463, 0.2924,
0.3469

■ 0.5843, 0.0000,
0.6598

■ 0.0000, 0.0000,
0.0000

■ 66.5535, 0.2762,
0.3616

■ 66.5535, 0.2762,
0.3616

■ 64.3068, 0.2681,
0.3725

■ 69.2433, 0.2855,
0.3514

■ 62.4696, 0.2615,
0.3840


■ 72.3912, 0.2956,
0.3421

■ 61.0167, 0.2567,
0.3960

■ 76.0217, 0.3063,
0.3335


■ 59.9164, 0.2538,
0.4082


■ 80.1549, 0.3174,
0.3259

 59.1319, 0.2529,
0.4204


 83.5492, 0.3240,
0.3189

 58.6178, 0.2540,
0.4325

 83.9880, 0.3193,
0.3119

 58.4505, 0.2549,
0.4375

 84.4444, 0.3146,
0.3049

 84.5182, 0.3139,
0.3039

Harmonies

Analogous

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



66.5535, 0.3124, 0.3899



66.5535, 0.2762, 0.3616



66.5535, 0.2507, 0.3241

Triad

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



66.5535, 0.2762, 0.3616



66.5535, 0.2734, 0.2666



66.5535, 0.3898, 0.3597

Complementary

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



66.5535, 0.2762, 0.3616



40.5549, 0.3710, 0.2991

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.



66.5535, 0.3785, 0.3284



66.5535, 0.2762, 0.3616



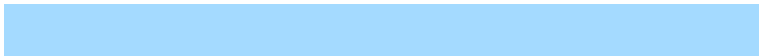
66.5535, 0.3092, 0.2768

Square

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



66.5535, 0.2762, 0.3616



66.5535, 0.2493, 0.2711



66.5535, 0.3482, 0.2988



66.5535, 0.3789, 0.3858

Rectangle

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



66.5535, 0.2762, 0.3616



66.5535, 0.2425, 0.3009



66.5535, 0.3482, 0.2988



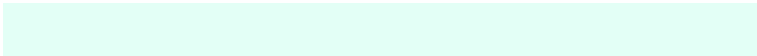
66.5535, 0.3885, 0.3495

Sweetspot

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



66.5562, 0.2762, 0.3616



94.5028, 0.3006, 0.3379



67.1856, 0.3260, 0.4309



20.0940, 0.2992, 0.3391



0.0000, 0.0000, 0.0000



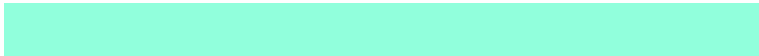
21.4041, 0.3127, 0.3290

Same Dimension

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



66.5562, 0.2762, 0.3616



82.7503, 0.2700, 0.3697



60.6369, 0.2602, 0.3120



16.2545, 0.3024, 0.3366



33.4421, 0.2544, 0.4356



2.4879, 0.2495, 0.4181

Inverse Universe

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



40.5549, 0.3710, 0.2991



44.9187, 0.3891, 0.2929



44.1492, 0.3930, 0.3451



14.4430, 0.3243, 0.3216



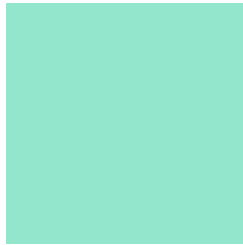
9.8159, 0.5694, 0.2911



0.7418, 0.5280, 0.2682

Previews

White Background



This preview shows how the Yxy color 66.5535, 0.2762, 0.3616 looks on a white background.

Color Contrast Check

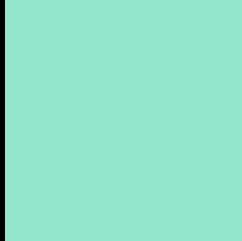
Large Text (above 18pt) WCAG AA × Fail

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 66.5535, 0.2762, 0.3616 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

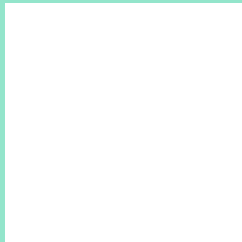
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5535, 0.2762, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 66.5535, 0.2762, 0.3616.

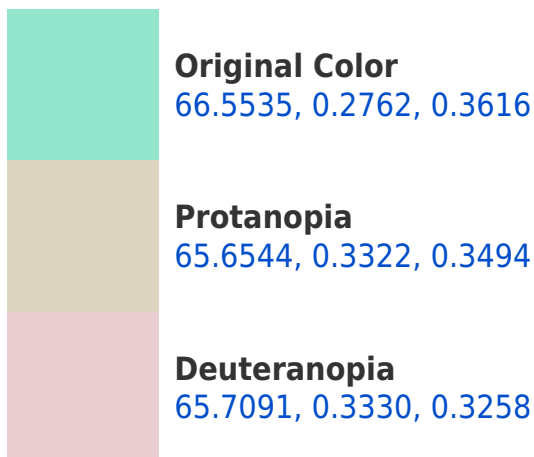


This preview shows how white text looks on a background with the Yxy color 66.5535, 0.2762, 0.3616.

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

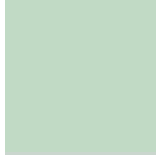
66.1941, 0.2601, 0.3076

Trichromacy



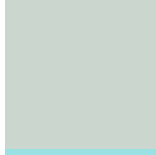
Original Color

66.5535, 0.2762, 0.3616



Protanomaly

65.5115, 0.3087, 0.3539



Deuteranomaly

65.1059, 0.3094, 0.3383



Tritanomaly

66.1688, 0.2660, 0.3264

Monochromacy



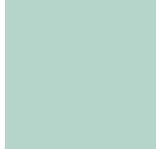
Original Color

66.5535, 0.2762, 0.3616



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.2963, 0.2977, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5535, 0.2762, 0.3616 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(147, 229, 203)` looks like.

```
.text, #text, p{  
    color:rgb(147, 229, 203)  
}
```

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(147, 229, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 229, 203) }
```

Border

The CSS property to change the border of an element to Yxy 66.5535, 0.2762, 0.3616 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(147, 229, 203) }
```

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

```
.border{ border-color:rgb(147, 229, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 229, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 229, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 229, 203);  
box-shadow:4px 4px 4px 4px rgb(147, 229,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5535, 0.2762, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 229, 203) }
```

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

```
.background{ background-color: rgb(147,  
229, 203) }
```

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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