

Converting Colors

Yxy(66.6428, 0.2762, 0.3425)

Have a look what the booklet for
Yxy(66.6428, 0.2762, 0.3425)
contains.

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Color

Yxy(66.6699, 0.2760, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	9FE2D7
RGB	159, 226, 215
RGB Percent	62%, 89%, 84%
CMY	0.3766, 0.1137, 0.1567
CMYK	0.30, 0.00, 0.05, 0.11
HSL	170°, 54%, 75%
HSV	170°, 30%, 89%
XYZ	53.7566, 66.6699, 74.3439
YIQ	204.7130, -36.4010, -17.6250

Conversions

Conversions Part 2

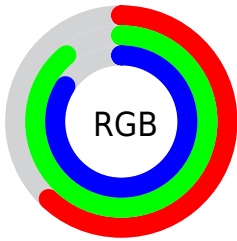
Format	Color
RYB	159, 195, 226
Decimal	10478295
CIELab	85.34, -23.30, -1.39
CIELCh	85, 23.346, 183.424
Yxy	66.6699, 0.2760, 0.3423
Android (android.graphics.Color)	4288668375 (0xFF9FE2D7)
YUV	204.7130, 5.0715, -40.0903
Hunter-Lab	81.6516, -25.3721, 3.1726

Details

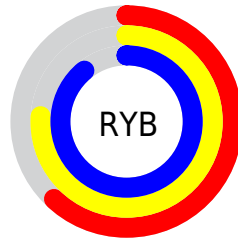
The Yxy color **66.6699, 0.2760, 0.3423** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8527, 0.3679, 0.3163**, and the grayscale version is **60.8402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **34.2908, 0.2673, 0.3453** is the 20% darker color. If you saturate the color by 10%, you get **64.3819, 0.2656, 0.3475**, and if you desaturate by 10%, it is **69.3900, 0.2876, 0.3374**.

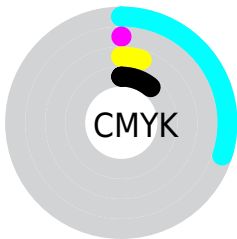
Distribution



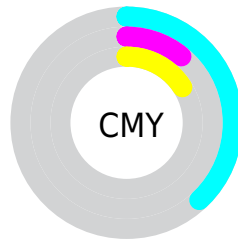
- Red (62%)
- Green (89%)
- Blue (84%)



- Red (62%)
- Yellow (76%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)




- Cyan (38%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6699, 0.2760, 0.3423 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 66.6699, 0.2760, 0.3423 by changing the saturation by 10% instead.


 66.6699, 0.2760,
0.3423


 66.6699, 0.2760,
0.3423


448.7689, 0.2932,
0.3362

 48.8164, 0.2720,
0.3437

 114.4473, 0.2820,
0.3402

 34.4739, 0.2671,
0.3454


 145.1400, 0.2843,
0.3393

 23.2579, 0.2608,
0.3476


180.8812, 0.2863,
0.3386

 14.7840, 0.2526,
0.3505


222.0553, 0.2880,
0.3380

 8.6680, 0.2412,
0.3544

269.0467, 0.2896,
0.3375

 4.5252, 0.2247,
0.3600

322.2399, 0.2909,

 1.9715, 0.1984,

0.3370

382.0191, 0.2921,
0.3365

0.3685

0.5908, 0.0000,
0.4437

0.0000, 0.0000,
0.0000

66.6699, 0.2760,
0.3423

66.6699, 0.2760,
0.3423

64.3819, 0.2656,
0.3475

69.3900, 0.2876,
0.3374

62.4949, 0.2567,
0.3530

72.5553, 0.3001,
0.3330


60.9862, 0.2495,
0.3587

76.1886, 0.3132,
0.3289

59.8277, 0.2442,
0.3645

80.3085, 0.3266,
0.3252

 58.9872, 0.2408,
0.3704

 81.5719, 0.3281,
0.3216


 58.4267, 0.2394,
0.3763

 81.7863, 0.3256,
0.3180

 58.0822, 0.2395,
0.3821

 82.0052, 0.3232,
0.3144

 58.0720, 0.2395,
0.3823

 82.2286, 0.3207,
0.3108

 82.4565, 0.3183,
0.3072

Harmonies

Analogous

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



66.6699, 0.3011, 0.3669



66.6699, 0.2760, 0.3423



66.6699, 0.2610, 0.3148

Triad

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



66.6699, 0.2760, 0.3423



66.6699, 0.2936, 0.2831



66.6699, 0.3692, 0.3619

Complementary

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



66.6699, 0.2760, 0.3423



43.8527, 0.3679, 0.3163

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.



66.6699, 0.3674, 0.3391



66.6699, 0.2760, 0.3423



66.6699, 0.3226, 0.2950

Square

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



66.6699, 0.2760, 0.3423



66.6699, 0.2707, 0.2821



66.6699, 0.3500, 0.3151



66.6699, 0.3552, 0.3773

Rectangle

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



66.6699, 0.2760, 0.3423



66.6699, 0.2582, 0.2993



66.6699, 0.3500, 0.3151



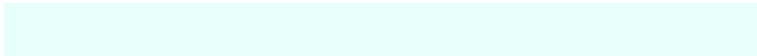
66.6699, 0.3704, 0.3548

Sweetspot

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



66.6726, 0.2760, 0.3423



95.6645, 0.3008, 0.3327



65.4609, 0.3162, 0.4135



20.3364, 0.2990, 0.3333



0.0000, 0.0000, 0.0000



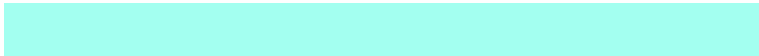
21.4041, 0.3127, 0.3290

Same Dimension

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



66.6726, 0.2760, 0.3423



85.6169, 0.2690, 0.3457



55.8824, 0.2669, 0.3012



15.5318, 0.3004, 0.3329



33.1419, 0.2393, 0.3814



2.3076, 0.2368, 0.3724

Inverse Universe

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



43.8527, 0.3679, 0.3163



50.7492, 0.3856, 0.3134



51.8459, 0.3713, 0.3551



13.7370, 0.3266, 0.3252



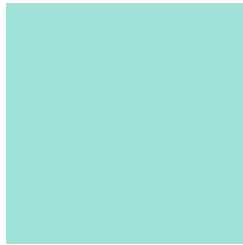
9.3121, 0.6157, 0.3165



0.6568, 0.5763, 0.2949

Previews

White Background



This preview shows how the Yxy color 66.6699, 0.2760, 0.3423 looks on a white background.

Color Contrast Check

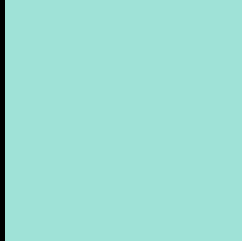
Large Text (above 18pt) WCAG AA × Fail

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 66.6699, 0.2760, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

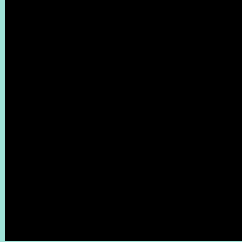
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

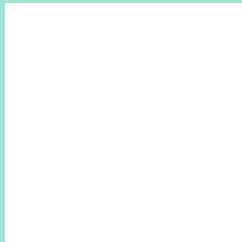
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6699, 0.2760, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 66.6699, 0.2760, 0.3423.

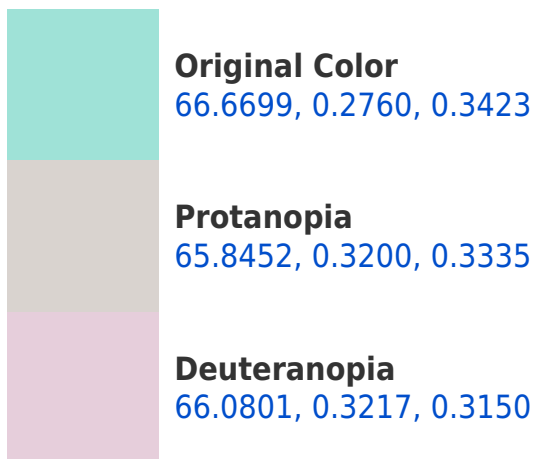


This preview shows how white text looks on a background with the Yxy color 66.6699, 0.2760, 0.3423.

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

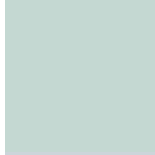
66.5332, 0.2654, 0.3078

Trichromacy



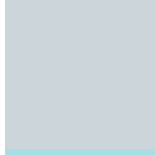
Original Color

66.6699, 0.2760, 0.3423



Protanomaly

65.5006, 0.3024, 0.3360



Deuteranomaly

65.4878, 0.3029, 0.3233



Tritanomaly

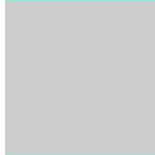
66.3314, 0.2692, 0.3194

Monochromacy



Original Color

66.6699, 0.2760, 0.3423



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

62.8833, 0.2974, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6699, 0.2760, 0.3423 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(159, 226, 215)` looks like.

```
.text, #text, p{  
    color:rgb(159, 226, 215)  
}
```

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(159, 226, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 226, 215) }
```

Border

The CSS property to change the border of an element to Yxy 66.6699, 0.2760, 0.3423 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(159, 226, 215) }
```

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

```
.border{ border-color:rgb(159, 226, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 226, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 226, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 226, 215);  
box-shadow:4px 4px 4px 4px rgb(159, 226,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6699, 0.2760, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 226, 215) }
```

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

```
.background{ background-color: rgb(159,  
226, 215) }
```

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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