

Converting Colors

$Yxy(69.0872, 0.2609, 0.3465)$

Have a look what the booklet for
Yxy(69.0872, 0.2609, 0.3465)
contains.

Yxy(68.9995, 0.2610, 0.3462)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.9995, 0.2610, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	85EADC
RGB	133, 234, 220
RGB Percent	52%, 92%, 86%
CMY	0.4783, 0.0824, 0.1372
CMYK	0.43, 0.00, 0.06, 0.08
HSL	172°, 71%, 72%
HSV	172°, 43%, 92%
XYZ	52.0187, 68.9995, 78.2871
YIQ	202.2050, -55.7020, -25.7660

Conversions

Conversions Part 2

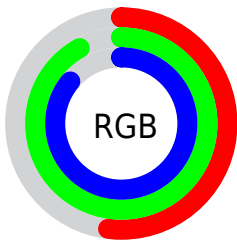
Format	Color
RYB	133, 187, 234
Decimal	8776412
CIELab	86.50, -32.84, -2.44
CIELCh	87, 32.930, 184.254
Yxy	68.9995, 0.2610, 0.3462
Android (android.graphics.Color)	4286966492 (0xFF85EADC)
YUV	202.2050, 8.7729, -60.6928
Hunter-Lab	83.0659, -33.5827, 2.2671

Details

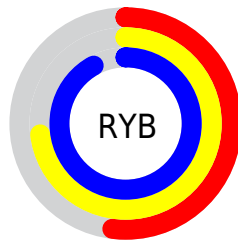
The Yxy color **68.9995, 0.2610, 0.3462** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.3870, 0.4099, 0.3134**, and the grayscale version is **59.1751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **36.0533, 0.2490, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **67.1341, 0.2525, 0.3509**, and if you desaturate by 10%, it is **71.2980, 0.2711, 0.3417**.

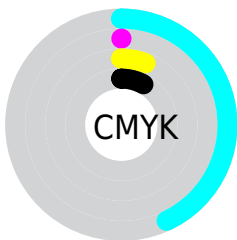
Distribution



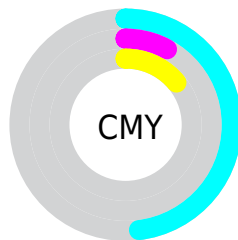
- Red (52%)
- Green (92%)
- Blue (86%)



- Red (52%)
- Yellow (73%)
- Blue (92%)



- Cyan (43%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)





- Cyan (48%)
- Magenta (8%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9995, 0.2610, 0.3462 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 68.9995, 0.2610, 0.3462 by changing the saturation by 10% instead.


 68.9995, 0.2610,
0.3462

 68.9995, 0.2610,
0.3462


457.0292, 0.2849,
0.3384


 50.7113, 0.2555,
0.3479


 117.7809, 0.2693,
0.3435

 35.9789, 0.2488,
0.3501

 149.0428, 0.2725,
0.3425

 24.4179, 0.2403,
0.3527


 185.3981, 0.2753,
0.3416

 15.6439, 0.2292,
0.3561

227.2312, 0.2777,
0.3408

 9.2725, 0.2141,
0.3606

274.9265, 0.2799,
0.3401

 4.9194, 0.1927,
0.3667

328.8683, 0.2818,

 2.2000, 0.1601,

0.3395

389.4411, 0.2834,
0.3389

0.3754

0.7200, 0.0000,
0.4299

0.0000, 0.0000,
0.0000

68.9995, 0.2610,
0.3462

68.9995, 0.2610,
0.3462

67.1341, 0.2525,
0.3509

71.2980, 0.2711,
0.3417

65.6650, 0.2457,
0.3557


74.0472, 0.2826,
0.3375

64.5630, 0.2409,
0.3606


77.2736, 0.2952,
0.3336

63.7910, 0.2381,
0.3656


80.9996, 0.3084,
0.3301


 63.3044, 0.2371,
0.3704

 85.2457, 0.3222,
0.3268

 63.0880, 0.2372,
0.3738

 86.3643, 0.3235,
0.3237

 86.5583, 0.3214,
0.3205

 86.7558, 0.3193,
0.3174

 86.9567, 0.3173,
0.3143

Harmonies

Analogous

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



68.9995, 0.2949, 0.3821



68.9995, 0.2610, 0.3462



68.9995, 0.2414, 0.3073

Triad

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



68.9995, 0.2610, 0.3462



68.9995, 0.2868, 0.2668



68.9995, 0.3912, 0.3741

Complementary

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



68.9995, 0.2610, 0.3462



36.3870, 0.4099, 0.3134

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.



68.9995, 0.3897, 0.3427



68.9995, 0.2610, 0.3462



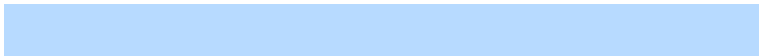
68.9995, 0.3272, 0.2833

Square

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



68.9995, 0.2610, 0.3462



68.9995, 0.2555, 0.2644



68.9995, 0.3657, 0.3103



68.9995, 0.3706, 0.3964

Rectangle

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



68.9995, 0.2610, 0.3462



68.9995, 0.2381, 0.2863



68.9995, 0.3657, 0.3103



68.9995, 0.3934, 0.3642

Sweetspot

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



69.0022, 0.2610, 0.3462



93.9534, 0.2953, 0.3336



66.8527, 0.3156, 0.4596



19.9125, 0.2924, 0.3344



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.



69.0022, 0.2610, 0.3462



81.7789, 0.2532, 0.3505



51.6230, 0.2467, 0.2837



17.0839, 0.3000, 0.3323



35.4667, 0.2369, 0.3730



2.7949, 0.2351, 0.3662

Inverse Universe

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



36.3870, 0.4099, 0.3134



37.1941, 0.4430, 0.3106



47.3318, 0.4076, 0.3693



15.0881, 0.3271, 0.3258



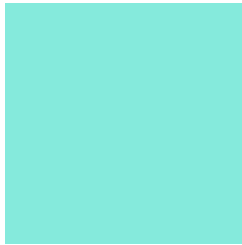
9.9004, 0.6215, 0.3197



0.7881, 0.5892, 0.3019

Previews

White Background



This preview shows how the Yxy color 68.9995, 0.2610, 0.3462 looks on a white background.

Color Contrast Check

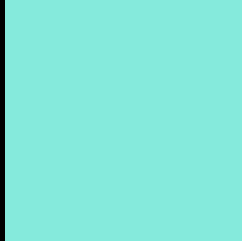
Large Text (above 18pt) WCAG AA × Fail

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 68.9995, 0.2610, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

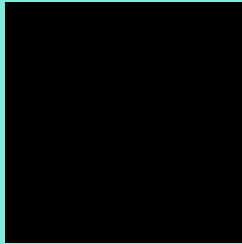
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9995, 0.2610, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 68.9995, 0.2610, 0.3462.

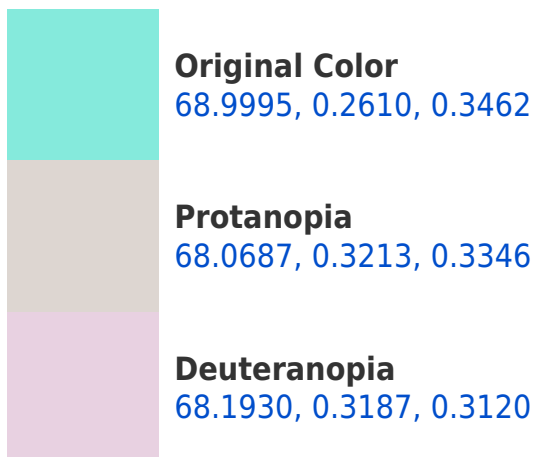


This preview shows how white text looks on a background with the Yxy color 68.9995, 0.2610, 0.3462.

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

69.0337, 0.2505, 0.3076

Trichromacy



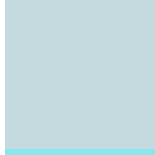
Original Color

68.9995, 0.2610, 0.3462



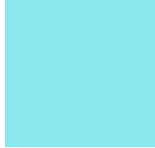
Protanomaly

67.3358, 0.2957, 0.3383



Deuteranomaly

67.2063, 0.2941, 0.3232



Tritanomaly

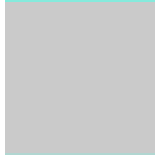
68.7281, 0.2540, 0.3204

Monochromacy



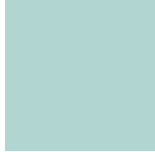
Original Color

68.9995, 0.2610, 0.3462



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

62.0437, 0.2899, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9995, 0.2610, 0.3462 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(133, 234, 220)` looks like.

```
.text, #text, p{  
    color:rgb(133, 234, 220)  
}
```

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(133, 234, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 234, 220) }
```

Border

The CSS property to change the border of an element to Yxy 68.9995, 0.2610, 0.3462 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(133, 234, 220) }
```

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

```
.border{ border-color:rgb(133, 234, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 234, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 234, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 234, 220);  
box-shadow:4px 4px 4px 4px rgb(133, 234,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9995, 0.2610, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 234, 220) }
```

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

```
.background{ background-color: rgb(133,  
234, 220) }
```

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