

Converting Colors

Yxy(68.3413, 0.2450, 0.3463)

Have a look what the booklet for
Yxy(68.3413, 0.2450, 0.3463)
contains.

| | |
|--|----|
| Yxy(68.3290, 0.2452, 0.3467) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(68.3290, 0.2452, 0.3467)

Conversions

| Conversions Part 1 | |
|--------------------|------------------------------|
| Format | Color |
| Hex | 5FEDDF |
| RGB | 95, 237, 223 |
| RGB Percent | 37%, 93%, 87% |
| CMY | 0.6271, 0.0706, 0.1256 |
| CMYK | 0.60, 0.00, 0.06, 0.07 |
| HSL | 174°, 80%, 65% |
| HSV | 174°, 60%, 93% |
| XYZ | 48.3250, 68.3290, 80.4300 |
| YIQ | 192.9460, -80.1380, -34.4580 |

Conversions

Conversions Part 2

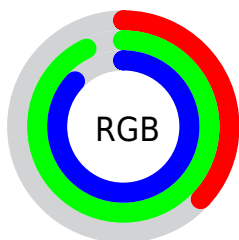
| Format | Color |
|-------------------------------------|---|
| RYB | 95, 170, 237 |
| Decimal | 6286815 |
| CIELab | 86.17, -41.32, -4.64 |
| CIELCh | 86, 41.581, 186.403 |
| Yxy | 68.3290, 0.2452, 0.3467 |
| Android (android.graphics.Color) | 4284476895 (0xFF5FEDDF) |
| YUV | 192.9460, 14.8166, -85.8986 |
| Hunter-Lab | 82.6614, -40.3038, 0.1735 |

Details

The Yxy color **68.3290, 0.2452, 0.3467** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **27.3103, 0.4822, 0.3151**, and the grayscale version is **53.2541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **35.4697, 0.2304, 0.3494** is the 20% darker color. If you saturate the color by 10%, you get **67.1229, 0.2395, 0.3501**, and if you desaturate by 10%, it is **69.9281, 0.2528, 0.3434**.

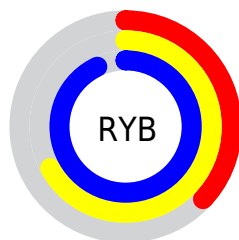
Distribution



Red (37%)

Green (93%)

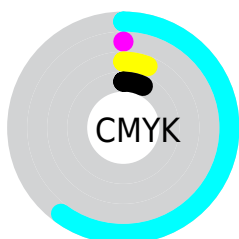
Blue (87%)



Red (37%)

Yellow (67%)

Blue (93%)

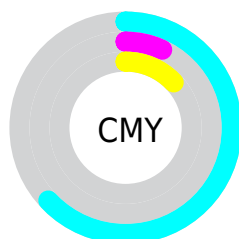


Cyan (60%)

Magenta (0%)

Yellow (6%)

Black (7%)



Cyan (63%)


Magenta (7%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3290, 0.2452, 0.3467 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 68.3290, 0.2452, 0.3467 by changing the saturation by 10% instead.


 68.3290, 0.2452,
0.3467


 68.3290, 0.2452,
0.3467


454.6608, 0.2763,
0.3389


 50.1654, 0.2382,
0.3484


 116.8227, 0.2559,
0.3441


 35.5449, 0.2295,
0.3503


 147.9216, 0.2601,
0.3431

 24.0829, 0.2186,
0.3527


 184.1011, 0.2638,
0.3422

 15.3951, 0.2046,
0.3557


 225.7455, 0.2669,
0.3414

 9.0972, 0.1857,
0.3593

273.2393, 0.2697,
0.3406

 4.8046, 0.1595,
0.3637


326.9669, 0.2721,


 2.1331, 0.1198,


0.3400

387.3126, 0.2743,
0.3394


0.3690


 0.6831, 0.0000,
0.3893

 0.0000, 0.0000,
0.0000


 68.3290, 0.2452,
0.3467


 68.3290, 0.2452,
0.3467


 67.1229, 0.2395,
0.3501


 69.9281, 0.2528,
0.3434


 66.2657, 0.2357,
0.3535


 71.9441, 0.2623,
0.3401


 65.7170, 0.2338,
0.3570


 74.4081, 0.2733,
0.3370

 65.4045, 0.2334,
0.3603


 77.3459, 0.2856,
0.3341


 65.4013, 0.2334,
0.3604

 80.7816, 0.2989,
0.3314

 84.7375, 0.3129,
0.3290

 88.0823, 0.3233,
0.3267

 88.2220, 0.3218,
0.3244

 88.3635, 0.3203,
0.3222

Harmonies

Analogous

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



68.3290, 0.2860, 0.3948



68.3290, 0.2452, 0.3467



68.3290, 0.2229, 0.2973

Triad

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



68.3290, 0.2452, 0.3467



68.3290, 0.2831, 0.2529



68.3290, 0.4107, 0.3866

Complementary

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



68.3290, 0.2452, 0.3467



27.3103, 0.4822, 0.3151

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.



68.3290, 0.4116, 0.3477



68.3290, 0.2452, 0.3467



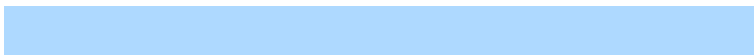
68.3290, 0.3343, 0.2742

Square

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



68.3290, 0.2452, 0.3467



68.3290, 0.2434, 0.2482



68.3290, 0.3829, 0.3078



68.3290, 0.3822, 0.4151

Rectangle

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



68.3290, 0.2452, 0.3467



68.3290, 0.2202, 0.2721



68.3290, 0.3829, 0.3078



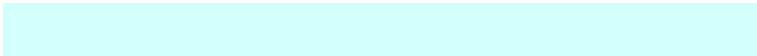
68.3290, 0.4144, 0.3743

Sweetspot

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



68.3316, 0.2452, 0.3467



92.0210, 0.2879, 0.3336



64.6647, 0.3104, 0.5188



19.4600, 0.2841, 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.



68.3316, 0.2452, 0.3467



78.9802, 0.2384, 0.3509



41.2883, 0.2221, 0.2520



17.0947, 0.2994, 0.3313



35.7178, 0.2333, 0.3598



2.8122, 0.2320, 0.3551

Inverse Universe

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



27.3103, 0.4822, 0.3151



26.5481, 0.5385, 0.3153



41.2398, 0.4560, 0.3901



15.0782, 0.3277, 0.3267



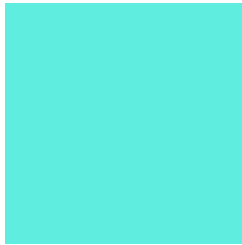
9.8732, 0.6285, 0.3236



0.7835, 0.6027, 0.3094

Previews

White Background



This preview shows how the Yxy color 68.3290, 0.2452, 0.3467 looks on a white background.

Color Contrast Check

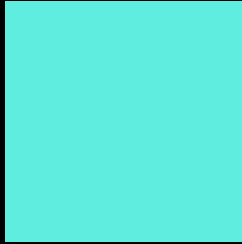
Large Text (above 18pt) WCAG AA × Fail

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 68.3290, 0.2452, 0.3467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

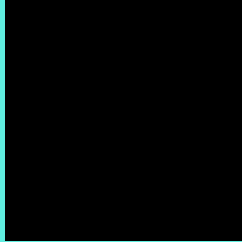
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

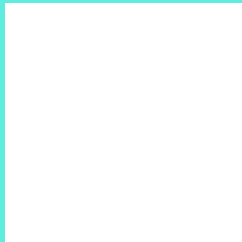
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.3290, 0.2452, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 68.3290, 0.2452, 0.3467.

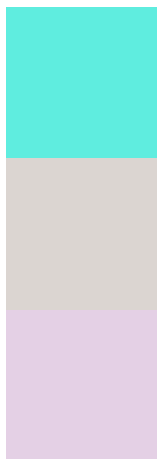


This preview shows how white text looks on a background with the Yxy color 68.3290, 0.2452, 0.3467.

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

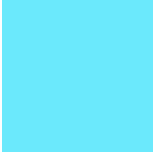
68.3290, 0.2452, 0.3467

Protanopia

67.2520, 0.3199, 0.3335

Deuteranopia

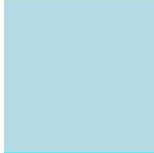
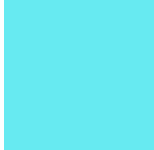
67.2629, 0.3130, 0.3065




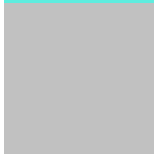
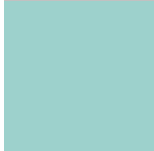
Tritanopia

68.4319, 0.2359, 0.3059

Trichromacy

| | |
|---|--|
|  | Original Color 68.3290, 0.2452, 0.3467 |
|  | Protanomaly 66.0963, 0.2853, 0.3385 |
|  | Deuteranomaly 65.9124, 0.2813, 0.3195 |
|  | Tritanomaly 68.0801, 0.2393, 0.3201 |

Monochromacy

| | |
|---|--|
|  | Original Color 68.3290, 0.2452, 0.3467 |
|  | Achromatopsia 53.3276, 0.3127, 0.3290 |
|  | Achromatomaly 57.1287, 0.2794, 0.3353 |

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3290, 0.2452, 0.3467 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(95, 237, 223) looks like.

```
.text, #text, p{  
    color:rgb(95, 237, 223)  
}
```

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(95, 237, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 237, 223) }
```

Border

The CSS property to change the border of an element to Yxy 68.3290, 0.2452, 0.3467 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(95, 237, 223) }
```

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

```
.border{ border-color:rgb(95, 237, 223) }
```

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

Here you see how a box with a 4 pixel rgb(95, 237, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 237, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 237, 223);  
box-shadow:4px 4px 4px 4px rgb(95, 237,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3290, 0.2452, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 237, 223) }
```

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

```
.background{ background-color: rgb(95, 237,  
223) }
```

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