

Converting Colors

$Yxy(68.7464, 0.2489, 0.3485)$

Have a look what the booklet for
Yxy(68.7464, 0.2489, 0.3485)
contains.

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Color

Yxy(68.7319, 0.2491, 0.3491)

Conversions

Conversions Part 1

Format	Color
Hex	68EDDD
RGB	104, 237, 221
RGB Percent	41%, 93%, 87%
CMY	0.5923, 0.0706, 0.1332
CMYK	0.56, 0.00, 0.07, 0.07
HSL	173°, 79%, 67%
HSV	173°, 56%, 93%
XYZ	49.0436, 68.7319, 79.1076
YIQ	195.4090, -74.1320, -33.1720

Conversions

Conversions Part 2

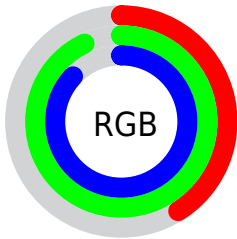
Format	Color
RYB	104, 175, 237
Decimal	6876637
CIELab	86.37, -40.22, -3.30
CIELCh	86, 40.352, 184.684
Yxy	68.7319, 0.2491, 0.3491
Android (android.graphics.Color)	4285066717 (0xFF68EDDD)
YUV	195.4090, 12.6164, -80.1657
Hunter-Lab	82.9047, -39.4887, 1.4588

Details

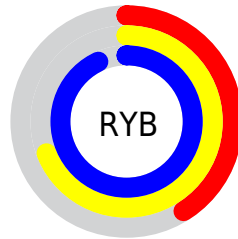
The Yxy color **68.7319, 0.2491, 0.3491** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **29.2534, 0.4620, 0.3124**, and the grayscale version is **54.7830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **35.6153, 0.2341, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **67.3602, 0.2428, 0.3533**, and if you desaturate by 10%, it is **70.5099, 0.2573, 0.3450**.

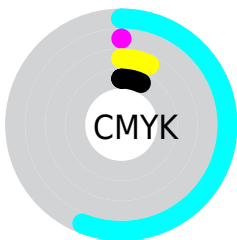
Distribution



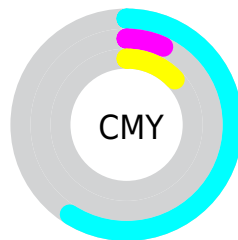
- Red (41%)
- Green (93%)
- Blue (87%)



- Red (41%)
- Yellow (69%)
- Blue (93%)



- Cyan (56%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)





- Cyan (59%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7319, 0.2491, 0.3491 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 68.7319, 0.2491, 0.3491 by changing the saturation by 10% instead.

 68.7319, 0.2491,
0.3491


 68.7319, 0.2491,
0.3491


456.0848, 0.2785,
0.3401


 50.4934, 0.2424,
0.3511

 117.3986, 0.2593,
0.3460

 35.8056, 0.2342,
0.3535


 148.5955, 0.2632,
0.3448

 24.2841, 0.2239,
0.3564


 184.8808, 0.2666,
0.3438

 15.5445, 0.2105,
0.3602

226.6387, 0.2696,
0.3429

 9.2024, 0.1925,
0.3650

274.2536, 0.2722,
0.3420

 4.8734, 0.1673,
0.3713

328.1100, 0.2745,

 2.1732, 0.1294,

0.3413

0.3796

388.5923, 0.2766,
0.3407

0.7053, 0.0000,
0.4139

0.0000, 0.0000,
0.0000

68.7319, 0.2491,
0.3491

68.7319, 0.2491,
0.3491

67.3602, 0.2428,
0.3533

70.5099, 0.2573,
0.3450

66.3524, 0.2385,
0.3575


72.7166, 0.2671,
0.3411


65.6710, 0.2360,
0.3617

75.3821, 0.2784,
0.3374


65.2663, 0.2354,
0.3659


78.5315, 0.2909,
0.3340


 65.1526, 0.2354,
0.3675

 82.1882, 0.3042,
0.3308

 86.3740, 0.3181,
0.3279

 88.1797, 0.3223,
0.3252

 88.3511, 0.3205,
0.3224

 88.5251, 0.3187,
0.3197

Harmonies

Analogous

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



68.7319, 0.2896, 0.3947



68.7319, 0.2491, 0.3491



68.7319, 0.2262, 0.3009

Triad

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



68.7319, 0.2491, 0.3491



68.7319, 0.2814, 0.2543



68.7319, 0.4086, 0.3831

Complementary

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



68.7319, 0.2491, 0.3491



29.2534, 0.4620, 0.3124

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.



68.7319, 0.4076, 0.3450



68.7319, 0.2491, 0.3491



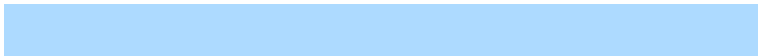
68.7319, 0.3308, 0.2742

Square

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



68.7319, 0.2491, 0.3491



68.7319, 0.2437, 0.2508



68.7319, 0.3783, 0.3064



68.7319, 0.3824, 0.4114

Rectangle

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



68.7319, 0.2491, 0.3491



68.7319, 0.2227, 0.2757



68.7319, 0.3783, 0.3064



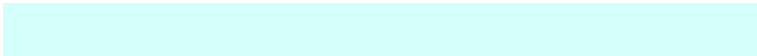
68.7319, 0.4116, 0.3710

Sweetspot

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



68.7346, 0.2491, 0.3491



92.3543, 0.2897, 0.3343



65.6863, 0.3134, 0.5050



19.5993, 0.2871, 0.3350



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.



68.7346, 0.2491, 0.3491



79.3801, 0.2422, 0.3538



45.1177, 0.2283, 0.2640



17.0889, 0.2997, 0.3318



35.5820, 0.2352, 0.3668



2.8028, 0.2336, 0.3610

Inverse Universe

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



29.2534, 0.4620, 0.3124



28.6370, 0.5108, 0.3115



41.7035, 0.4473, 0.3825



15.0835, 0.3274, 0.3262



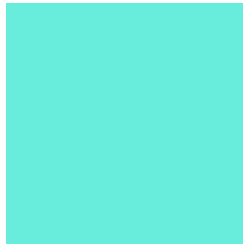
9.8867, 0.6249, 0.3216



0.7860, 0.5954, 0.3053

Previews

White Background



This preview shows how the Yxy color 68.7319, 0.2491, 0.3491 looks on a white background.

Color Contrast Check

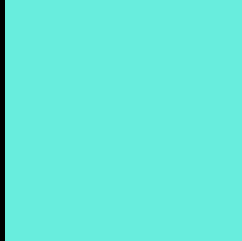
Large Text (above 18pt) WCAG AA × Fail

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 68.7319, 0.2491, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

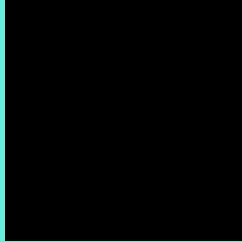
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7319, 0.2491, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 68.7319, 0.2491, 0.3491.

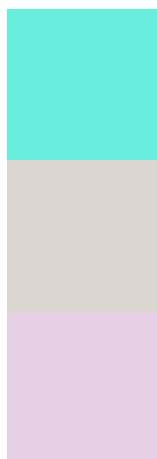


This preview shows how white text looks on a background with the Yxy color 68.7319, 0.2491, 0.3491.

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

68.7319, 0.2491, 0.3491

Protanopia

67.8628, 0.3213, 0.3357

Deuteranopia

67.4808, 0.3159, 0.3087



Tritanopia

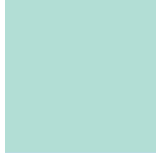
68.8877, 0.2391, 0.3072

Trichromacy



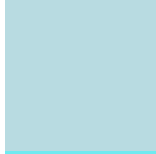
Original Color

68.7319, 0.2491, 0.3491



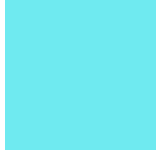
Protanomaly

66.5116, 0.2885, 0.3397



Deuteranomaly

66.2896, 0.2850, 0.3219



Tritanomaly

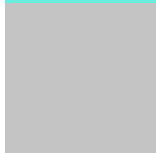
68.5164, 0.2426, 0.3214

Monochromacy



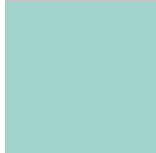
Original Color

68.7319, 0.2491, 0.3491



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.1342, 0.2827, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7319, 0.2491, 0.3491 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(104, 237, 221)` looks like.

```
.text, #text, p{  
    color:rgb(104, 237, 221)  
}
```

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(104, 237, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 237, 221) }
```

Border

The CSS property to change the border of an element to Yxy 68.7319, 0.2491, 0.3491 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(104, 237, 221) }
```

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

```
.border{ border-color:rgb(104, 237, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 237, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 237, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 237, 221);  
box-shadow:4px 4px 4px 4px rgb(104, 237,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7319, 0.2491, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 237, 221) }
```

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

```
.background{ background-color: rgb(104,  
237, 221) }
```

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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