

Converting Colors

$Yxy(68.0221, 0.2587, 0.3417)$

Have a look what the booklet for
Yxy(68.0221, 0.2587, 0.3417)
contains.

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Color

Yxy(67.8124, 0.2587, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	83E8DE
RGB	131, 232, 222
RGB Percent	51%, 91%, 87%
CMY	0.4862, 0.0902, 0.1295
CMYK	0.44, 0.00, 0.04, 0.09
HSL	174°, 69%, 71%
HSV	174°, 44%, 91%
XYZ	51.4007, 67.8124, 79.4754
YIQ	200.6610, -56.9860, -24.5220

Conversions

Conversions Part 2

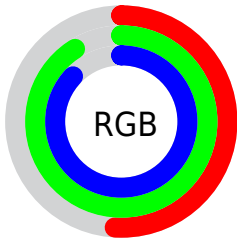
Format	Color
RYB	131, 184, 232
Decimal	8644830
CIELab	85.91, -31.92, -4.36
CIElCh	86, 32.213, 187.786
Yxy	67.8124, 0.2587, 0.3413
Android (android.graphics.Color)	4286834910 (0xFF83E8DE)
YUV	200.6610, 10.5201, -61.0927
Hunter-Lab	82.3483, -32.6921, 0.4222

Details

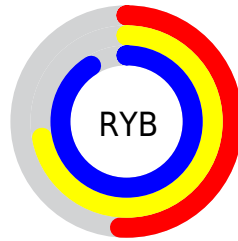
The Yxy color **67.8124, 0.2587, 0.3413** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.3167, 0.4158, 0.3178**, and the grayscale version is **58.1505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **35.2184, 0.2458, 0.3439** is the 20% darker color. If you saturate the color by 10%, you get **66.0426, 0.2499, 0.3446**, and if you desaturate by 10%, it is **70.0040, 0.2691, 0.3381**.

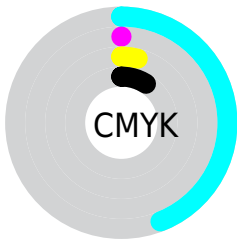
Distribution



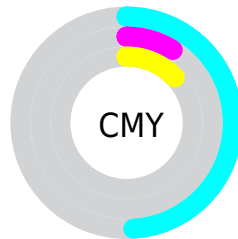
- Red (51%)
- Green (91%)
- Blue (87%)



- Red (51%)
- Yellow (72%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)




- Cyan (49%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8124, 0.2587, 0.3413 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 67.8124, 0.2587, 0.3413 by changing the saturation by 10% instead.


 67.8124, 0.2587,
0.3413


 67.8124, 0.2587,
0.3413


452.8311, 0.2837,
0.3359


 49.7451, 0.2530,
0.3425


 116.0837, 0.2674,
0.3395

 35.2109, 0.2460,
0.3439


 147.0566, 0.2707,
0.3388

 23.8254, 0.2371,
0.3455


 183.1001, 0.2737,
0.3381

 15.2042, 0.2255,
0.3476

224.5986, 0.2762,
0.3376

 8.9628, 0.2098,
0.3503

271.9366, 0.2784,
0.3371

 4.7169, 0.1875,
0.3535

325.4984, 0.2804,

 2.0821, 0.1538,

0.3366

385.6684, 0.2821,
0.3362

0.3572

0.6546, 0.0000,
0.3912

0.0000, 0.0000,
0.0000

67.8124, 0.2587,
0.3413

67.8124, 0.2587,
0.3413

66.0426, 0.2499,
0.3446

70.0040, 0.2691,
0.3381

64.6584, 0.2430,
0.3480

72.6348, 0.2810,
0.3352


63.6312, 0.2379,
0.3514


75.7308, 0.2939,
0.3324

62.9245, 0.2349,
0.3549

79.3137, 0.3077,
0.3298


 62.4942, 0.2336,
0.3583


 83.4040, 0.3220,
0.3275

 62.3184, 0.2335,
0.3604

 85.0198, 0.3260,
0.3253

 85.1544, 0.3245,
0.3231

 85.2906, 0.3230,
0.3208

 85.4286, 0.3216,
0.3186

Harmonies

Analogous

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



67.8124, 0.2907, 0.3777



67.8124, 0.2587, 0.3413



67.8124, 0.2413, 0.3037

Triad

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



67.8124, 0.2587, 0.3413



67.8124, 0.2916, 0.2689



67.8124, 0.3886, 0.3767

Complementary

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



67.8124, 0.2587, 0.3413



35.3167, 0.4158, 0.3178

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.



67.8124, 0.3898, 0.3464



67.8124, 0.2587, 0.3413



67.8124, 0.3318, 0.2866

Square

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



67.8124, 0.2587, 0.3413



67.8124, 0.2593, 0.2649



67.8124, 0.3686, 0.3142



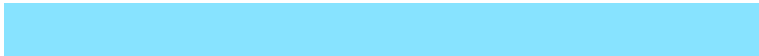
67.8124, 0.3662, 0.3970

Rectangle

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



67.8124, 0.2587, 0.3413



67.8124, 0.2395, 0.2840



67.8124, 0.3686, 0.3142



67.8124, 0.3916, 0.3672

Sweetspot

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



67.8151, 0.2587, 0.3413



94.0359, 0.2946, 0.3323



65.0272, 0.3124, 0.4622



19.9331, 0.2916, 0.3329



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.



67.8151, 0.2587, 0.3413



82.0883, 0.2509, 0.3442



48.1800, 0.2450, 0.2765



16.3105, 0.2995, 0.3313



34.6060, 0.2333, 0.3599



2.5644, 0.2319, 0.3549

Inverse Universe

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



35.3167, 0.4158, 0.3178



37.0425, 0.4493, 0.3160



48.0764, 0.4060, 0.3753



14.3911, 0.3277, 0.3267



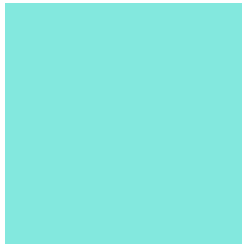
9.5670, 0.6283, 0.3235



0.7149, 0.6010, 0.3084

Previews

White Background



This preview shows how the Yxy color 67.8124, 0.2587, 0.3413 looks on a white background.

Color Contrast Check

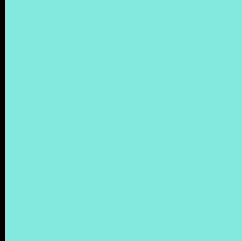
Large Text (above 18pt) WCAG AA × Fail

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 67.8124, 0.2587, 0.3413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

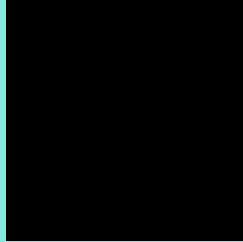
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8124, 0.2587, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 67.8124, 0.2587, 0.3413.

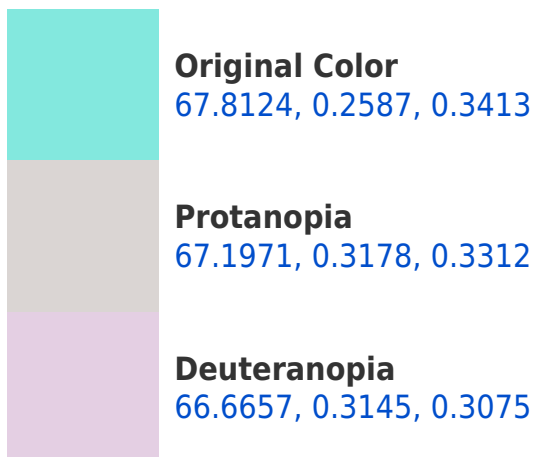


This preview shows how white text looks on a background with the Yxy color 67.8124, 0.2587, 0.3413.

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

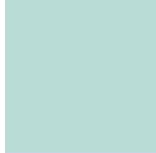
67.6055, 0.2492, 0.3062

Trichromacy



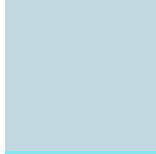
Original Color

67.8124, 0.2587, 0.3413



Protanomaly

66.5318, 0.2924, 0.3348



Deuteranomaly

65.8854, 0.2908, 0.3186



Tritanomaly

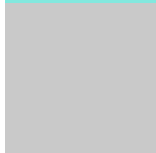
67.3626, 0.2522, 0.3179

Monochromacy



Original Color

67.8124, 0.2587, 0.3413



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.9205, 0.2891, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8124, 0.2587, 0.3413 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(131, 232, 222)` looks like.

```
.text, #text, p{  
    color:rgb(131, 232, 222)  
}
```

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(131, 232, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 232, 222) }
```

Border

The CSS property to change the border of an element to Yxy 67.8124, 0.2587, 0.3413 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(131, 232, 222) }
```

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

```
.border{ border-color:rgb(131, 232, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 232, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 232, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 232, 222); box-shadow:4px 4px 4px 4px rgb(131, 232, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8124, 0.2587, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 232, 222) }
```

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

```
.background{ background-color: rgb(131,  
232, 222) }
```

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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