

Converting Colors

$Yxy(67.2534, 0.2612, 0.3429)$

Have a look what the booklet for
Yxy(67.2534, 0.2612, 0.3429)
contains.

Yxy(67.3875, 0.2609, 0.3425)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.3875, 0.2609, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	86E7DC
RGB	134, 231, 220
RGB Percent	53%, 91%, 86%
CMY	0.4744, 0.0941, 0.1371
CMYK	0.42, 0.00, 0.05, 0.09
HSL	173°, 67%, 72%
HSV	173°, 42%, 91%
XYZ	51.3326, 67.3875, 78.0318
YIQ	200.7430, -54.2810, -23.9850

Conversions

Conversions Part 2

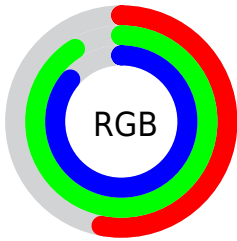
Format	Color
RYB	134, 185, 231
Decimal	8841180
CIELab	85.70, -31.18, -3.63
CIElCh	86, 31.388, 186.650
Yxy	67.3875, 0.2609, 0.3425
Android (android.graphics.Color)	4287031260 (0xFF86E7DC)
YUV	200.7430, 9.4937, -58.5336
Hunter-Lab	82.0899, -32.0375, 1.1039

Details

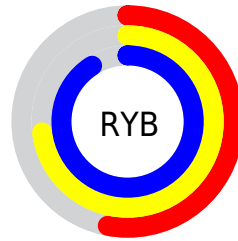
The Yxy color **67.3875, 0.2609, 0.3425** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.0928, 0.4088, 0.3166**, and the grayscale version is **58.2138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **34.9131, 0.2485, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **65.5569, 0.2519, 0.3463**, and if you desaturate by 10%, it is **69.6402, 0.2714, 0.3389**.

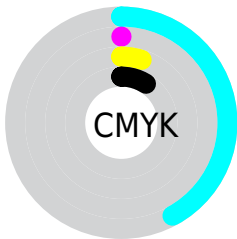
Distribution



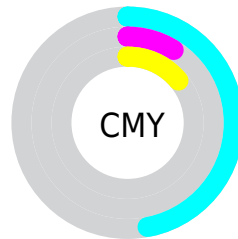
- Red (53%)
- Green (91%)
- Blue (86%)



- Red (53%)
- Yellow (73%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)



- Cyan (47%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3875, 0.2609, 0.3425 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 67.3875, 0.2609, 0.3425 by changing the saturation by 10% instead.

 67.3875, 0.2609,
0.3425

 67.3875, 0.2609,
0.3425


451.3228, 0.2850,
0.3365

 49.3996, 0.2554,
0.3438

 115.4755, 0.2693,
0.3405

 34.9366, 0.2486,
0.3454


 146.3444, 0.2725,
0.3396

 23.6140, 0.2400,
0.3474


 182.2757, 0.2753,
0.3389

 15.0475, 0.2288,
0.3499

223.6538, 0.2777,
0.3383

 8.8528, 0.2135,
0.3531

270.8633, 0.2799,
0.3378

 4.6453, 0.1917,
0.3572

324.2883, 0.2818,

 2.0407, 0.1585,

0.3373

384.3134, 0.2834,
0.3369

0.3626

0.6309, 0.0000,
0.4013

0.0000, 0.0000,
0.0000

67.3875, 0.2609,
0.3425

67.3875, 0.2609,
0.3425

65.5569, 0.2519,
0.3463

69.6402, 0.2714,
0.3389

64.1130, 0.2448,
0.3501

72.3317, 0.2833,
0.3355


63.0280, 0.2396,
0.3541


75.4876, 0.2963,
0.3324


62.2668, 0.2363,
0.3580

79.1293, 0.3099,
0.3295

 61.7872, 0.2349,
0.3620


 83.2765, 0.3241,
0.3269

 61.5515, 0.2347,
0.3651

 84.4490, 0.3262,
0.3244

 84.6018, 0.3245,
0.3218

 84.7567, 0.3228,
0.3193

 84.9139, 0.3211,
0.3168

Harmonies

Analogous

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



67.3875, 0.2927, 0.3776



67.3875, 0.2609, 0.3425



67.3875, 0.2432, 0.3056

Triad

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



67.3875, 0.2609, 0.3425



67.3875, 0.2908, 0.2698



67.3875, 0.3873, 0.3747

Complementary

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



67.3875, 0.2609, 0.3425



36.0928, 0.4088, 0.3166

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.



67.3875, 0.3876, 0.3449



67.3875, 0.2609, 0.3425



67.3875, 0.3299, 0.2867

Square

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



67.3875, 0.2609, 0.3425



67.3875, 0.2596, 0.2664



67.3875, 0.3661, 0.3134



67.3875, 0.3661, 0.3949

Rectangle

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



67.3875, 0.2609, 0.3425



67.3875, 0.2410, 0.2860



67.3875, 0.3661, 0.3134



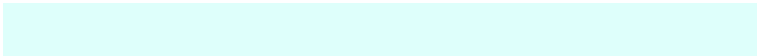
67.3875, 0.3899, 0.3654

Sweetspot

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



67.3902, 0.2609, 0.3425



94.0068, 0.2948, 0.3327



64.9236, 0.3136, 0.4563



19.9258, 0.2919, 0.3334



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.



67.3902, 0.2609, 0.3425



82.3963, 0.2534, 0.3456



49.3478, 0.2477, 0.2809



16.3068, 0.2997, 0.3317



34.5195, 0.2346, 0.3644



2.5589, 0.2330, 0.3587

Inverse Universe

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



36.0928, 0.4088, 0.3166



38.5188, 0.4391, 0.3146



47.9136, 0.4025, 0.3718



14.3944, 0.3275, 0.3264



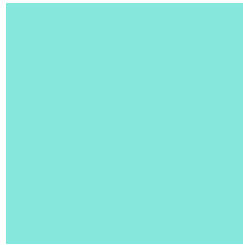
9.5754, 0.6260, 0.3222



0.7164, 0.5960, 0.3057

Previews

White Background



This preview shows how the Yxy color 67.3875, 0.2609, 0.3425 looks on a white background.

Color Contrast Check

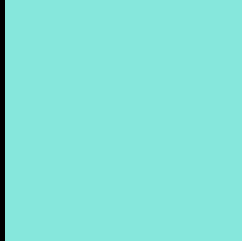
Large Text (above 18pt) WCAG AA × Fail

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 67.3875, 0.2609, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

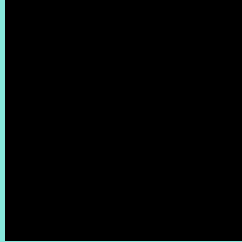
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

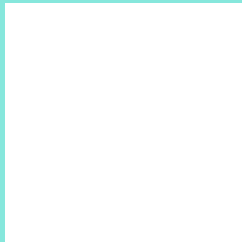
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.3875, 0.2609, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 67.3875, 0.2609, 0.3425.

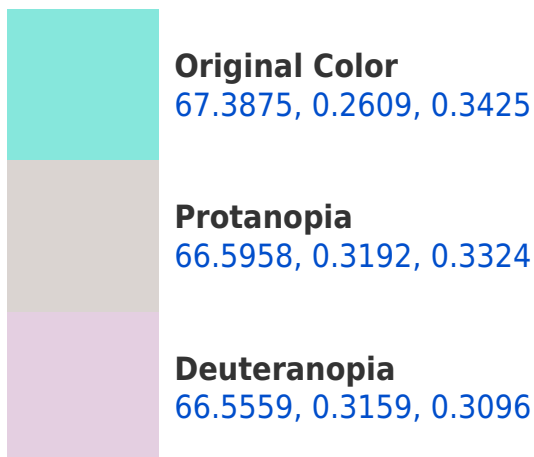


This preview shows how white text looks on a background with the Yxy color 67.3875, 0.2609, 0.3425.

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

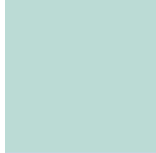
67.1935, 0.2513, 0.3074

Trichromacy



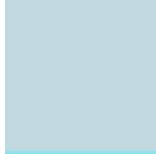
Original Color

67.3875, 0.2609, 0.3425



Protanomaly

66.0319, 0.2943, 0.3360



Deuteranomaly

65.9088, 0.2927, 0.3209



Tritanomaly

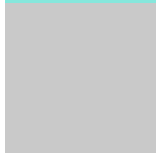
66.9462, 0.2544, 0.3191

Monochromacy



Original Color

67.3875, 0.2609, 0.3425



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.9881, 0.2904, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3875, 0.2609, 0.3425 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(134, 231, 220)` looks like.

```
.text, #text, p{  
    color:rgb(134, 231, 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(134, 231, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 231, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.3875, 0.2609, 0.3425 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(134, 231, 220) }
```

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

```
.border{ border-color:rgb(134, 231, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 231, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 231, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 231, 220);  
box-shadow:4px 4px 4px 4px rgb(134, 231,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3875, 0.2609, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 231, 220) }
```

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

```
.background{ background-color: rgb(134,  
231, 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](#).

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