

Converting Colors

$Yxy(67.5387, 0.2555, 0.3223)$

Have a look what the booklet for
Yxy(67.5387, 0.2555, 0.3223)
contains.

Yxy(67.4401, 0.2551, 0.3216)	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(67.4401, 0.2551, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	8AE5EB
RGB	138, 229, 235
RGB Percent	54%, 90%, 92%
CMY	0.4587, 0.1019, 0.0786
CMYK	0.41, 0.03, 0.00, 0.08
HSL	184°, 71%, 73%
HSV	184°, 41%, 92%
XYZ	53.4949, 67.4401, 88.7668
YIQ	202.4750, -56.1620, -17.4260

Conversions

Conversions Part 2

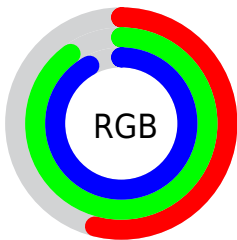
Format	Color
R _{YB}	138, 185, 235
Decimal	9102827
CIE _{Lab}	85.73, -25.65, -11.45
CIE _{LCh}	86, 28.090, 204.048
Yxy	67.4401, 0.2551, 0.3216
Android (android.graphics.Color)	4287292907 (0xFF8AE5EB)
YUV	202.4750, 16.0348, -56.5446
Hunter-Lab	82.1219, -27.4369, -6.6021

Details

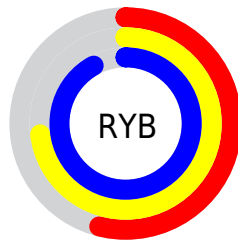
The Yxy color **67.4401, 0.2551, 0.3216** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.4359, 0.4160, 0.3361**, and the grayscale version is **59.3034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **34.8473, 0.2416, 0.3191** is the 20% darker color. If you saturate the color by 10%, you get **64.8539, 0.2445, 0.3196**, and if you desaturate by 10%, it is **70.4717, 0.2673, 0.3236**.

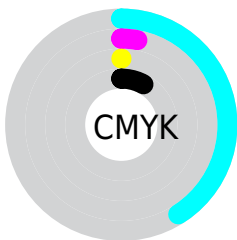
Distribution



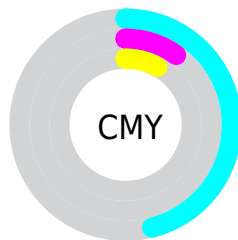
- Red (54%)
- Green (90%)
- Blue (92%)



- Red (54%)
- Yellow (73%)
- Blue (92%)



- Cyan (41%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)




- Cyan (46%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4401, 0.2551, 0.3216 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 67.4401, 0.2551, 0.3216 by changing the saturation by 10% instead.


 67.4401, 0.2551,
0.3216

 67.4401, 0.2551,
0.3216


451.5097, 0.2816,
0.3257

 49.4424, 0.2491,
0.3205

 115.5508, 0.2643,
0.3231

 34.9705, 0.2417,
0.3191


 146.4326, 0.2678,
0.3237

 23.6402, 0.2325,
0.3172


182.3778, 0.2709,
0.3242

 15.0669, 0.2205,
0.3144

223.7709, 0.2736,
0.3246

 8.8664, 0.2044,
0.3103

270.9962, 0.2760,
0.3249

 4.6541, 0.1818,
0.3035

324.4382, 0.2781,

 2.0458, 0.1484,

0.3252

0.2911

384.4812, 0.2799,
0.3254

0.6339, 0.0000,
0.2848

0.0000, 0.0000,
0.0000

67.4401, 0.2551,
0.3216

67.4401, 0.2551,
0.3216

64.8539, 0.2445,
0.3196

70.4717, 0.2673,
0.3236

62.6770, 0.2357,
0.3175

73.9666, 0.2808,
0.3254

60.8805, 0.2288,
0.3154

77.9510, 0.2954,
0.3272

59.4280, 0.2239,
0.3133

82.4472, 0.3108,
0.3288

■ 58.2763, 0.2208,
0.3112

■ 87.3783, 0.3262,
0.3303

■ 57.4539, 0.2193,
0.3094

■ 88.2147, 0.3260,
0.3317

■ 89.0579, 0.3259,
0.3331

■ 89.9078, 0.3258,
0.3345

■ 90.7645, 0.3256,
0.3359

Harmonies

Analogous

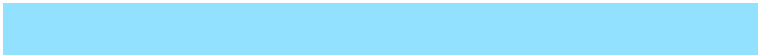
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.4401, 0.2771, 0.3552



67.4401, 0.2551, 0.3216



67.4401, 0.2480, 0.2927

Triad

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



67.4401, 0.2551, 0.3216



67.4401, 0.3132, 0.2831



67.4401, 0.3705, 0.3822

Complementary

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



67.4401, 0.2551, 0.3216



39.4359, 0.4160, 0.3361

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.



67.4401, 0.3820, 0.3598



67.4401, 0.2551, 0.3216



67.4401, 0.3479, 0.3041

Square

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



67.4401, 0.2551, 0.3216



67.4401, 0.2800, 0.2727



67.4401, 0.3737, 0.3315



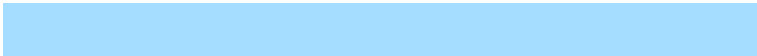
67.4401, 0.3436, 0.3913

Rectangle

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



67.4401, 0.2551, 0.3216



67.4401, 0.2521, 0.2798



67.4401, 0.3737, 0.3315



67.4401, 0.3764, 0.3758

Sweetspot

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



67.4427, 0.2551, 0.3216



93.4566, 0.2942, 0.3271



66.7816, 0.3042, 0.4501



19.8628, 0.2923, 0.3268



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.



67.4427, 0.2551, 0.3216



78.3899, 0.2455, 0.3198



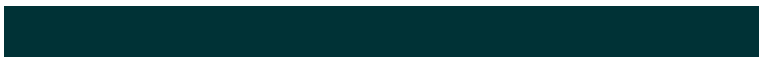
44.7151, 0.2452, 0.2602



16.9539, 0.2981, 0.3275



32.0567, 0.2194, 0.3097



2.5654, 0.2202, 0.3126

Inverse Universe

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



41.4993, 0.3228, 0.2330



43.2935, 0.3253, 0.2143



56.9039, 0.3929, 0.3885



15.2968, 0.3147, 0.3072



12.7289, 0.3369, 0.1630



1.0044, 0.3345, 0.1616

Previews

White Background



This preview shows how the Yxy color 67.4401, 0.2551, 0.3216 looks on a white background.

Color Contrast Check

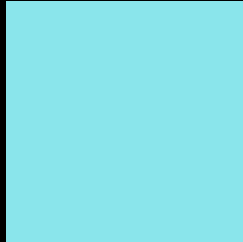
Large Text (above 18pt) WCAG AA × Fail

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 67.4401, 0.2551, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

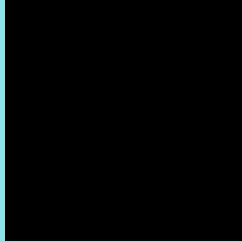
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.4401, 0.2551, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 67.4401, 0.2551, 0.3216.

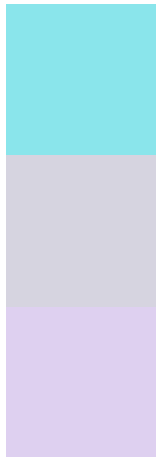


This preview shows how white text looks on a background with the Yxy color 67.4401, 0.2551, 0.3216.

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

67.4401, 0.2551, 0.3216

Protanopia

66.7649, 0.3061, 0.3157

Deuteranopia

66.9326, 0.3012, 0.2947



Tritanopia

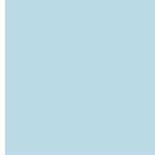
67.2547, 0.2508, 0.3062

Trichromacy



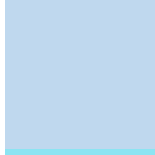
Original Color

67.4401, 0.2551, 0.3216



Protanomaly

66.1833, 0.2845, 0.3173



Deuteranomaly

66.3611, 0.2816, 0.3040



Tritanomaly

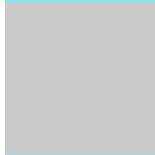
67.4731, 0.2525, 0.3121

Monochromacy



Original Color

67.4401, 0.2551, 0.3216



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.5257, 0.2880, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4401, 0.2551, 0.3216 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(138, 229, 235)` looks like.

```
.text, #text, p{  
    color:rgb(138, 229, 235)  
}
```

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(138, 229, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 229, 235) }
```

Border

The CSS property to change the border of an element to Yxy 67.4401, 0.2551, 0.3216 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(138, 229, 235) }
```

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

```
.border{ border-color:rgb(138, 229, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 229, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 229, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 229, 235);  
box-shadow:4px 4px 4px 4px rgb(138, 229,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4401, 0.2551, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 229, 235) }
```

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

```
.background{ background-color: rgb(138,  
229, 235) }
```

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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