

Converting Colors

$Yxy(85.8776, 0.2552, 0.2995)$

Have a look what the booklet for
Yxy(85.8776, 0.2552, 0.2995)
contains.

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Color

Yxy(84.3619, 0.2655, 0.3234)

Conversions

Conversions Part 1

Format	Color
Hex	ACFAFF
RGB	172, 250, 255
RGB Percent	67%, 98%, 100%
CMY	0.3252, 0.0196, 0.0000
CMYK	0.33, 0.02, 0.00, 0.00
HSL	184°, 100%, 84%
HSV	184°, 33%, 100%
XYZ	69.2581, 84.3619, 107.2393
YIQ	227.2480, -48.0930, -14.9810

Conversions

Conversions Part 2

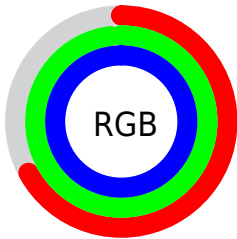
Format	Color
RYB	172, 212, 255
Decimal	11336447
CIELab	93.61, -22.51, -10.01
CIELCh	94, 24.638, 203.971
Yxy	84.3619, 0.2655, 0.3234
Android (android.graphics.Color)	4289526527 (0xFFACFAFF)
YUV	227.2480, 13.6817, -48.4525
Hunter-Lab	91.8487, -26.1381, -4.9307

Details

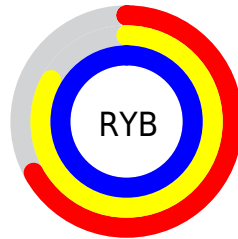
The Yxy color **84.3619, 0.2655, 0.3234** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.7119, 0.3868, 0.3345**, and the grayscale version is **76.9415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **45.9301, 0.2554, 0.3217** is the 20% darker color. If you saturate the color by 10%, you get **80.7977, 0.2535, 0.3214**, and if you desaturate by 10%, it is **88.4943, 0.2789, 0.3253**.

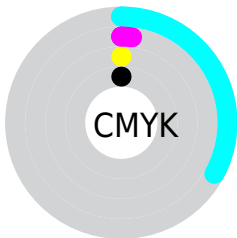
Distribution



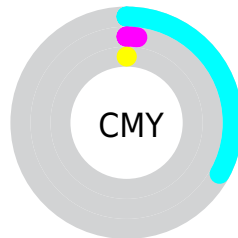
- Red (67%)
- Green (98%)
- Blue (100%)



- Red (67%)
- Yellow (83%)
- Blue (100%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3619, 0.2655, 0.3234 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 84.3619, 0.2655, 0.3234 by changing the saturation by 10% instead.


 84.3619, 0.2655,
0.3234

 84.3619, 0.2655,
0.3234


509.5142, 0.2864,
0.3263

 63.3143, 0.2609,
0.3227

 139.4813, 0.2726,
0.3245

 46.0955, 0.2554,
0.3217


174.3219, 0.2754,
0.3249

 32.3212, 0.2485,
0.3205


214.5289, 0.2778,
0.3252

 21.6069, 0.2398,
0.3188

260.4867, 0.2800,
0.3255

 13.5684, 0.2284,
0.3164

312.5798, 0.2819,
0.3257

 7.8211, 0.2128,
0.3127

371.1924, 0.2836,

 3.9807, 0.1906,

0.3260

436.7091, 0.2851,
0.3262

0.3065

1.6628, 0.1564,
0.2946

0.3994, 0.0000,
0.2586

84.3619, 0.2655,
0.3234

84.3619, 0.2655,
0.3234

80.7977, 0.2535,
0.3214

88.4943, 0.2789,
0.3253

77.7597, 0.2431,
0.3194

93.2140, 0.2934,
0.3270

75.2163, 0.2346,
0.3174

98.5515, 0.3088,
0.3286

73.1284, 0.2280,
0.3153

100.0000, 0.3127,
0.3290

■ 71.4505, 0.2234,
0.3132

■ 70.1277, 0.2206,
0.3112

■ 69.3106, 0.2194,
0.3097

Harmonies

Analogous

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



84.3619, 0.2838, 0.3503



84.3619, 0.2655, 0.3234



84.3619, 0.2595, 0.2997

Triad

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



84.3619, 0.2655, 0.3234



84.3619, 0.3132, 0.2911



84.3619, 0.3600, 0.3726

Complementary

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



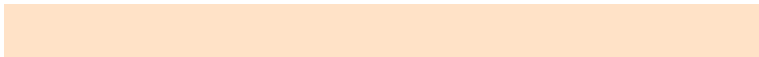
84.3619, 0.2655, 0.3234



55.7119, 0.3868, 0.3345

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.



84.3619, 0.3690, 0.3546



84.3619, 0.2655, 0.3234



84.3619, 0.3414, 0.3086

Square

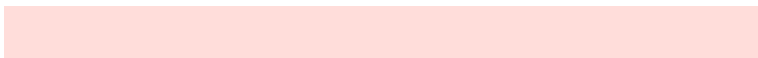
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3619, 0.2655, 0.3234



84.3619, 0.2861, 0.2826



84.3619, 0.3622, 0.3314



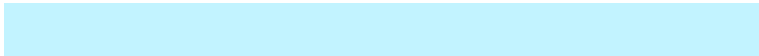
84.3619, 0.3382, 0.3794

Rectangle

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



84.3619, 0.2655, 0.3234



84.3619, 0.2629, 0.2889



84.3619, 0.3622, 0.3314



84.3619, 0.3646, 0.3675

Sweetspot

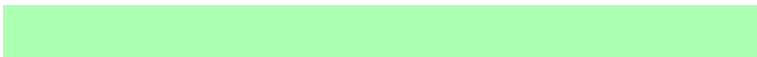
The Sweet Spot groups the original color and five complimentary colors.



84.3653, 0.2655, 0.3234



94.5024, 0.2973, 0.3274



83.4404, 0.3060, 0.4210



20.0729, 0.2951, 0.3272



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.



84.3653, 0.2655, 0.3234



81.9932, 0.2575, 0.3221



61.7873, 0.2597, 0.2768



20.2825, 0.2980, 0.3275



36.2971, 0.2195, 0.3100



3.5888, 0.2201, 0.3123

Inverse Universe

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



57.6904, 0.3204, 0.2523



51.7256, 0.3221, 0.2375



74.2168, 0.3733, 0.3760



18.2803, 0.3147, 0.3070



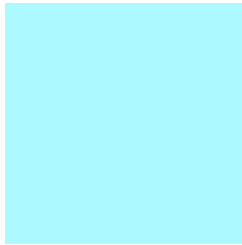
14.3922, 0.3367, 0.1628



1.4068, 0.3347, 0.1618

Previews

White Background



This preview shows how the Yxy color 84.3619, 0.2655, 0.3234 looks on a white background.

Color Contrast Check

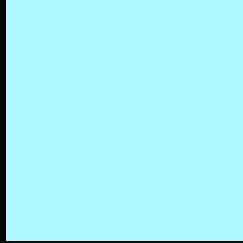
Large Text (above 18pt) WCAG AA × Fail

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 84.3619, 0.2655, 0.3234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

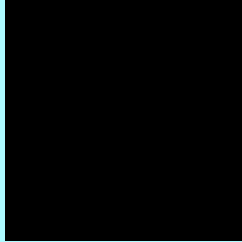
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.3619, 0.2655, 0.3234

Background



This preview shows how black text looks on a background with the Yxy color 84.3619, 0.2655, 0.3234.

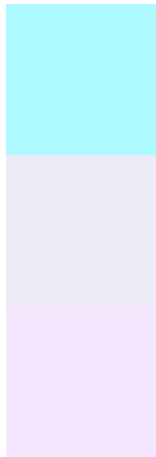


This preview shows how white text looks on a background with the Yxy color 84.3619, 0.2655, 0.3234.

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

84.3619, 0.2655, 0.3234

Protanopia

83.5040, 0.3073, 0.3169

Deuteranopia

83.7843, 0.3071, 0.3053



Tritanopia

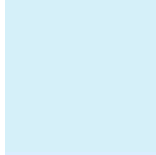
84.0177, 0.2813, 0.3163

Trichromacy



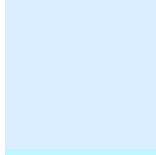
Original Color

84.3619, 0.2655, 0.3234



Protanomaly

83.3059, 0.2904, 0.3195



Deuteranomaly

83.2745, 0.2900, 0.3114



Tritanomaly

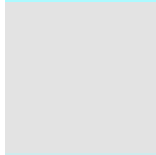
84.3380, 0.2754, 0.3193

Monochromacy



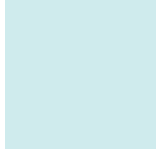
Original Color

84.3619, 0.2655, 0.3234



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.7965, 0.2933, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3619, 0.2655, 0.3234 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(172, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 250, 255)  
}
```

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(172, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.3619, 0.2655, 0.3234 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(172, 250, 255) }
```

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

```
.border{ border-color:rgb(172, 250, 255) }
```

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

Here you see how a box with a 4 pixel rgb(172, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3619, 0.2655, 0.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 250, 255) }
```

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

```
.background{ background-color: rgb(172,  
250, 255) }
```

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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