

Converting Colors

$Y_{xy}(84.0292, 0.2687, 0.3571)$

Have a look what the booklet for
Yxy(84.0292, 0.2687, 0.3571)
contains.

Yxy(84.0055, 0.2689, 0.3576)	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(84.0055, 0.2689, 0.3576)

Conversions

Conversions Part 1

Format	Color
Hex	99FFE6
RGB	153, 255, 230
RGB Percent	60%, 100%, 90%
CMY	0.4003, 0.0000, 0.0981
CMYK	0.40, 0.00, 0.10, 0.00
HSL	165°, 100%, 80%
HSV	165°, 40%, 100%
XYZ	63.1686, 84.0055, 87.7406
YIQ	221.6520, -52.7670, -29.3990

Conversions

Conversions Part 2

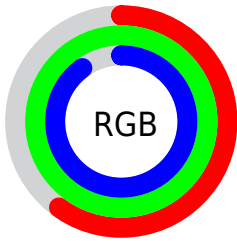
Format	Color
RYB	153, 211, 255
Decimal	10092518
CIELab	93.45, -35.44, 2.60
CIElCh	93, 35.536, 175.806
Yxy	84.0055, 0.2689, 0.3576
Android (android.graphics.Color)	4288282598 (0xFF99FFE6)
YUV	221.6520, 4.1156, -60.2078
Hunter-Lab	91.6545, -37.3727, 7.4000

Details

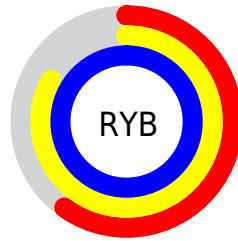
The Yxy color **84.0055, 0.2689, 0.3576** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.2320, 0.3891, 0.3030**, and the grayscale version is **72.7704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.9701, 0.2591, 0.3636** is the 20% darker color. If you saturate the color by 10%, you get **81.4331, 0.2607, 0.3661**, and if you desaturate by 10%, it is **87.1062, 0.2785, 0.3495**.

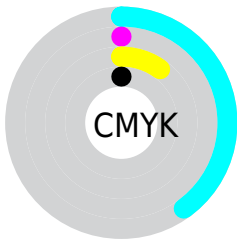
Distribution



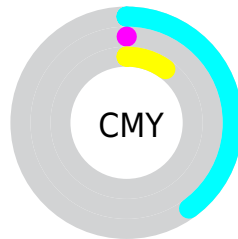
- Red (60%)
- Green (100%)
- Blue (90%)



- Red (60%)
- Yellow (83%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0055, 0.2689, 0.3576 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 84.0055, 0.2689, 0.3576 by changing the saturation by 10% instead.

 84.0055, 0.2689,
0.3576

 84.0055, 0.2689,
0.3576


508.3315, 0.2887,
0.3446

 63.0200, 0.2645,
0.3605


 138.9829, 0.2757,
0.3531

 45.8574, 0.2591,
0.3641


 173.7435, 0.2783,
0.3514

 32.1333, 0.2525,
0.3686


213.8646, 0.2806,
0.3499

 21.4633, 0.2439,
0.3744

259.7307, 0.2826,
0.3485

 13.4631, 0.2325,
0.3822

311.7260, 0.2844,
0.3474

 7.7482, 0.2166,
0.3932

370.2349, 0.2860,

 3.9343, 0.1932,

0.3463

0.4098

435.6420, 0.2874,
0.3454

■ 1.6369, 0.1484,
0.4412

■ 0.3823, 0.0000,
0.6198

■ 84.0055, 0.2689,
0.3576

■ 84.0055, 0.2689,
0.3576

■ 81.4331, 0.2607,
0.3661

■ 87.1062, 0.2785,
0.3495

■ 79.3764, 0.2543,
0.3750

■ 90.7878, 0.2892,
0.3421

■ 77.7898, 0.2497,
0.3842

■ 95.0721, 0.3007,
0.3352

■ 76.6298, 0.2472,
0.3934

99.9859, 0.3127,
0.3290

■ 75.8442, 0.2466,
0.4026

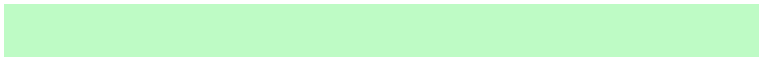
100.0000, 0.3127,
0.3290

■ 75.3489, 0.2477,
0.4117

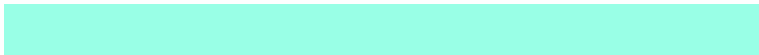
Harmonies

Analogous

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



84.0055, 0.3059, 0.3903



84.0055, 0.2689, 0.3576



84.0055, 0.2445, 0.3176

Triad

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



84.0055, 0.2689, 0.3576



84.0055, 0.2764, 0.2639



84.0055, 0.3940, 0.3661

Complementary

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



84.0055, 0.2689, 0.3576



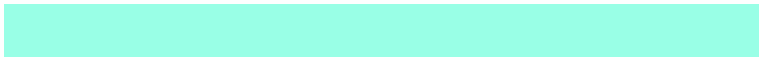
47.2320, 0.3891, 0.3030

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.



84.0055, 0.3858, 0.3334



84.0055, 0.2689, 0.3576



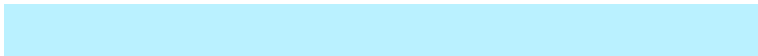
84.0055, 0.3155, 0.2769

Square

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



84.0055, 0.2689, 0.3576



84.0055, 0.2487, 0.2660



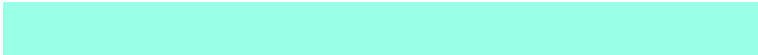
84.0055, 0.3562, 0.3016



84.0055, 0.3790, 0.3922

Rectangle

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



84.0055, 0.2689, 0.3576



84.0055, 0.2377, 0.2941



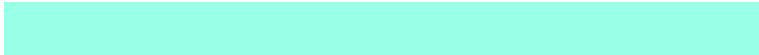
84.0055, 0.3562, 0.3016



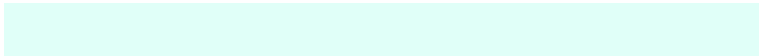
84.0055, 0.3940, 0.3555

Sweetspot

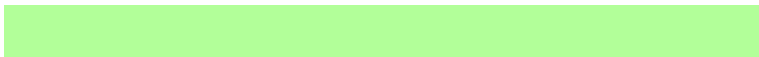
The Sweet Spot groups the original color and five complimentary colors.



83.9983, 0.2689, 0.3576



94.1778, 0.2983, 0.3365



83.3358, 0.3218, 0.4472



20.0340, 0.2968, 0.3374



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

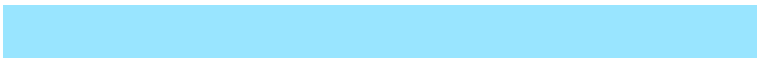
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9983, 0.2689, 0.3576



81.9108, 0.2623, 0.3643



70.2919, 0.2528, 0.2995



20.4009, 0.3013, 0.3349



39.3963, 0.2473, 0.4102



3.8531, 0.2444, 0.3998

Inverse Universe

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



47.2320, 0.3891, 0.3030



40.5554, 0.4128, 0.2981



55.5772, 0.4036, 0.3561



18.0601, 0.3256, 0.3232



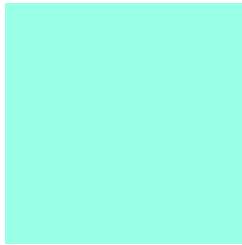
11.3129, 0.5951, 0.3052



1.1179, 0.5638, 0.2879

Previews

White Background



This preview shows how the Yxy color 84.0055, 0.2689, 0.3576 looks on a white background.

Color Contrast Check

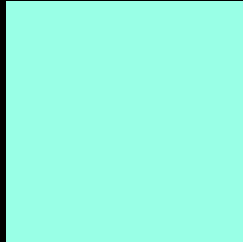
Large Text (above 18pt) WCAG AA × Fail

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 84.0055, 0.2689, 0.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

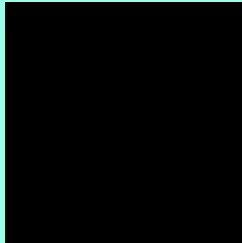
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

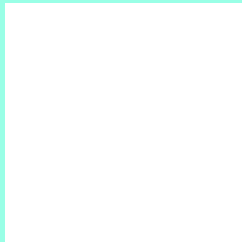
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0055, 0.2689, 0.3576

Background



This preview shows how black text looks on a background with the Yxy color 84.0055, 0.2689, 0.3576.

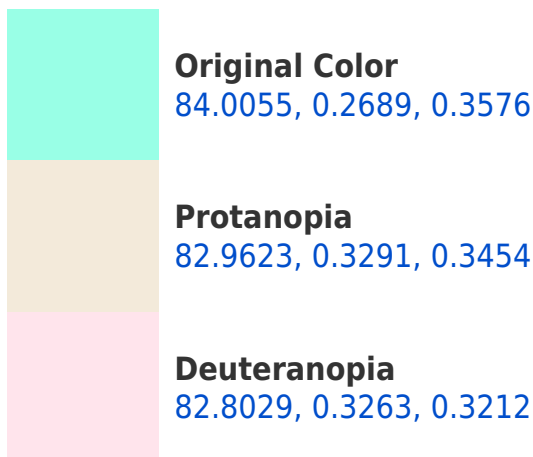


This preview shows how white text looks on a background with the Yxy color 84.0055, 0.2689, 0.3576.

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

83.3270, 0.2785, 0.3162

Trichromacy



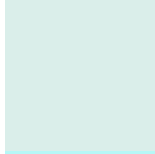
Original Color

84.0055, 0.2689, 0.3576



Protanomaly

82.4798, 0.3040, 0.3506



Deuteranomaly

81.9950, 0.3021, 0.3332



Tritanomaly

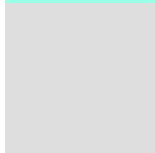
83.1204, 0.2747, 0.3300

Monochromacy



Original Color

84.0055, 0.2689, 0.3576



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.1522, 0.2940, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0055, 0.2689, 0.3576 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(153, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 230)  
}
```

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(153, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 84.0055, 0.2689, 0.3576 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(153, 255, 230) }
```

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

```
.border{ border-color:rgb(153, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0055, 0.2689, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 230) }
```

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

```
.background{ background-color: rgb(153,  
255, 230) }
```

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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