

Converting Colors

Yxy(84.2617, 0.2668, 0.3523)

Have a look what the booklet for
Yxy(84.2617, 0.2668, 0.3523)
contains.

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Color

Yxy(84.2328, 0.2670, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	99FFEA
RGB	153, 255, 234
RGB Percent	60%, 100%, 92%
CMY	0.4001, 0.0000, 0.0822
CMYK	0.40, 0.00, 0.08, 0.00
HSL	168°, 100%, 80%
HSV	168°, 40%, 100%
XYZ	63.7476, 84.2328, 90.7747
YIQ	222.1080, -54.0510, -28.1550

Conversions

Conversions Part 2

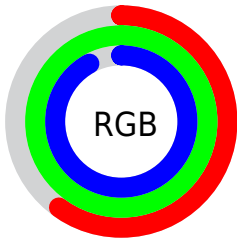
Format	Color
RYB	153, 210, 255
Decimal	10092522
CIELab	93.55, -34.54, 0.65
CIELCh	94, 34.543, 178.925
Yxy	84.2328, 0.2670, 0.3528
Android (android.graphics.Color)	4288282602 (0xFF99FFEA)
YUV	222.1080, 5.8628, -60.6077
Hunter-Lab	91.7784, -36.6294, 5.6033

Details

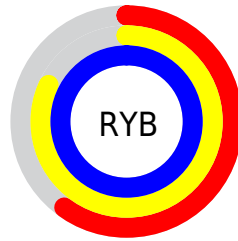
The Yxy color **84.2328, 0.2670, 0.3528** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0829, 0.3932, 0.3072**, and the grayscale version is **73.1085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **46.0893, 0.2574, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **81.7142, 0.2585, 0.3598**, and if you desaturate by 10%, it is **87.2886, 0.2770, 0.3461**.

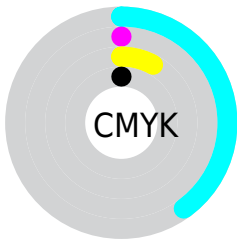
Distribution



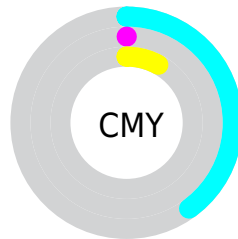
- Red (60%)
- Green (100%)
- Blue (92%)



- Red (60%)
- Yellow (82%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2328, 0.2670, 0.3528 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 84.2328, 0.2670, 0.3528 by changing the saturation by 10% instead.

 84.2328, 0.2670,
0.3528


 84.2328, 0.2670,
0.3528


509.0860, 0.2875,
0.3421

 63.2077, 0.2625,
0.3552

 139.3008, 0.2740,
0.3491

 46.0092, 0.2569,
0.3581


 174.1124, 0.2768,
0.3477

 32.2531, 0.2500,
0.3617


214.2883, 0.2792,
0.3465

 21.5549, 0.2412,
0.3663

260.2129, 0.2812,
0.3454

 13.5302, 0.2295,
0.3725

312.2706, 0.2831,
0.3444

 7.7947, 0.2134,
0.3811

370.8457, 0.2847,

 3.9638, 0.1897,

0.3435

0.3937

436.3227, 0.2862,
0.3428

1.6534, 0.1469,
0.4166

0.3932, 0.0000,
0.5067

84.2328, 0.2670,
0.3528

84.2328, 0.2670,
0.3528

81.7142, 0.2585,
0.3598

87.2886, 0.2770,
0.3461

79.7014, 0.2517,
0.3672

90.9154, 0.2881,
0.3399

78.1552, 0.2468,
0.3747

95.1411, 0.3001,
0.3342

77.0321, 0.2439,
0.3823

99.9924, 0.3127,
0.3290

■ 76.2801, 0.2430,
0.3899

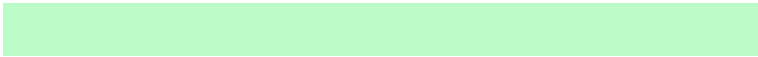
100.0000, 0.3127,
0.3290

■ 75.8145, 0.2437,
0.3974

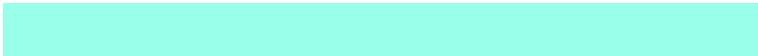
Harmonies

Analogous

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



84.2328, 0.3021, 0.3859



84.2328, 0.2670, 0.3528



84.2328, 0.2448, 0.3141

Triad

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



84.2328, 0.2670, 0.3528



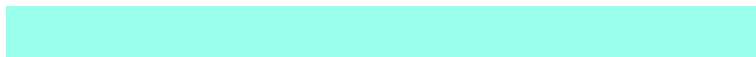
84.2328, 0.2810, 0.2663



84.2328, 0.3912, 0.3683

Complementary

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



84.2328, 0.2670, 0.3528



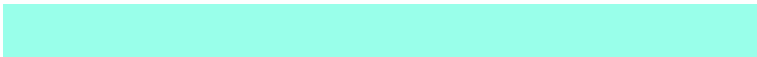
47.0829, 0.3932, 0.3072

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.



84.2328, 0.3856, 0.3367



84.2328, 0.2670, 0.3528



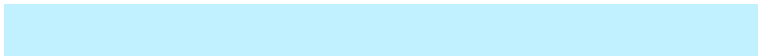
84.2328, 0.3197, 0.2803

Square

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



84.2328, 0.2670, 0.3528



84.2328, 0.2525, 0.2668



84.2328, 0.3587, 0.3054



84.2328, 0.3745, 0.3924

Rectangle

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



84.2328, 0.2670, 0.3528



84.2328, 0.2395, 0.2921



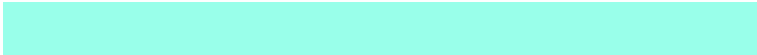
84.2328, 0.3587, 0.3054



84.2328, 0.3919, 0.3582

Sweetspot

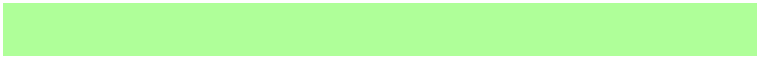
The Sweet Spot groups the original color and five complimentary colors.



84.2319, 0.2670, 0.3528



94.2532, 0.2977, 0.3353



82.9408, 0.3197, 0.4480



20.0519, 0.2961, 0.3360



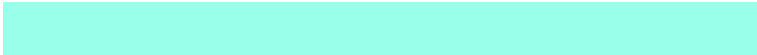
0.0000, 0.0000, 0.0000



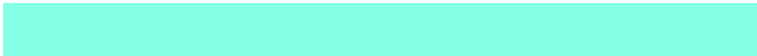
21.4041, 0.3127, 0.3290

Same Dimension

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



84.2319, 0.2670, 0.3528



82.1797, 0.2601, 0.3584



68.4300, 0.2522, 0.2955



20.4138, 0.3007, 0.3339



39.6370, 0.2434, 0.3962



3.8747, 0.2410, 0.3876

Inverse Universe

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



47.0829, 0.3932, 0.3072



40.3852, 0.4184, 0.3032



56.9627, 0.4020, 0.3596



18.0481, 0.3262, 0.3241



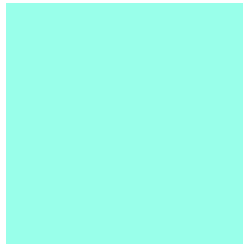
11.2571, 0.6066, 0.3115



1.1109, 0.5766, 0.2950

Previews

White Background



This preview shows how the Yxy color 84.2328, 0.2670, 0.3528 looks on a white background.

Color Contrast Check

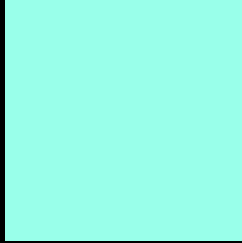
Large Text (above 18pt) WCAG AA × Fail

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 84.2328, 0.2670, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

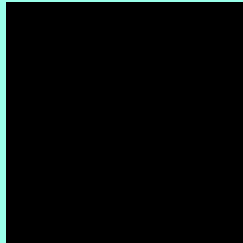
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2328, 0.2670, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 84.2328, 0.2670, 0.3528.

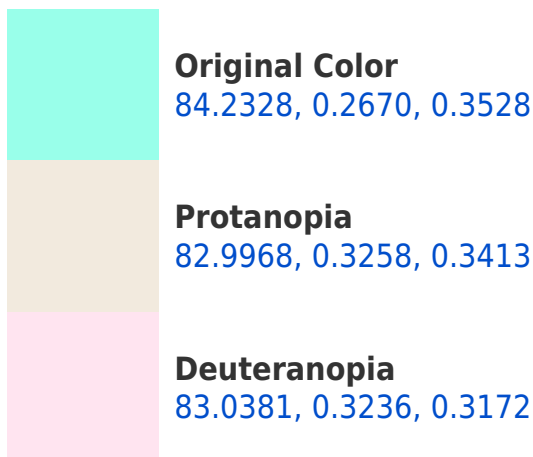


This preview shows how white text looks on a background with the Yxy color 84.2328, 0.2670, 0.3528.

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

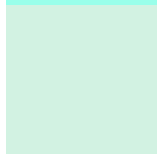
83.4633, 0.2790, 0.3162

Trichromacy



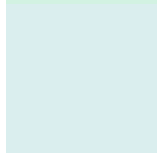
Original Color

84.2328, 0.2670, 0.3528



Protanomaly

82.6969, 0.3017, 0.3462



Deuteranomaly

82.2275, 0.2997, 0.3290



Tritanomaly

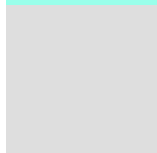
83.1820, 0.2742, 0.3289

Monochromacy



Original Color

84.2328, 0.2670, 0.3528



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2069, 0.2934, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2328, 0.2670, 0.3528 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 234) }
```

Border

The CSS property to change the border of an element to Yxy 84.2328, 0.2670, 0.3528 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, 234) }
```

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

```
.border{ border-color:rgb(153, 255, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2328, 0.2670, 0.3528 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, 234) }
```

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

```
.background{ background-color: rgb(153,  
255, 234) }
```

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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