

Converting Colors

$Y_{xy}(100.0000, 0.2234, 0.2586)$

Have a look what the booklet for
Yxy(100.0000, 0.2234, 0.2586)
contains.

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Color

Yxy(84.3154, 0.2520, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	8CFFFF
RGB	140, 255, 255
RGB Percent	55%, 100%, 100%
CMY	0.4512, 0.0000, 0.0000
CMYK	0.45, 0.00, 0.00, 0.00
HSL	180°, 100%, 77%
HSV	180°, 45%, 100%
XYZ	64.6213, 84.3154, 107.4970
YIQ	220.6150, -68.5400, -24.3800

Conversions

Conversions Part 2

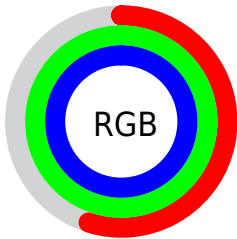
Format	Color
RYB	140, 198, 255
Decimal	9240575
CIELab	93.59, -32.70, -10.20
CIElCh	94, 34.255, 197.330
Yxy	84.3154, 0.2520, 0.3288
Android (android.graphics.Color)	4287430655 (0xFF8CFFFF)
YUV	220.6150, 16.9518, -70.6994
Hunter-Lab	91.8234, -35.0705, -5.1340

Details

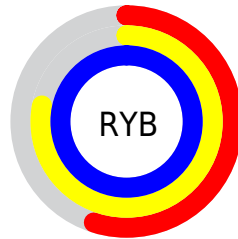
The Yxy color **84.3154, 0.2520, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.8931, 0.4351, 0.3294**, and the grayscale version is **71.9256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **46.0851, 0.2392, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **82.3476, 0.2428, 0.3288**, and if you desaturate by 10%, it is **86.7875, 0.2630, 0.3289**.

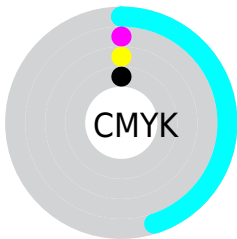
Distribution



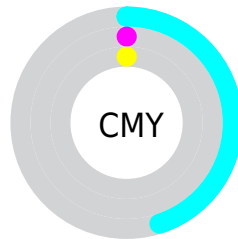
- Red (55%)
- Green (100%)
- Blue (100%)



- Red (55%)
- Yellow (78%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3154, 0.2520, 0.3288 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 84.3154, 0.2520, 0.3288 by changing the saturation by 10% instead.

 84.3154, 0.2520,
0.3288


 84.3154, 0.2520,
0.3288


509.3600, 0.2788,
0.3295

 63.2759, 0.2462,
0.3285


 139.4163, 0.2611,
0.3292

 46.0644, 0.2391,
0.3281


 174.2464, 0.2647,
0.3293

 32.2967, 0.2304,
0.3274


214.4422, 0.2678,
0.3293

 21.5882, 0.2195,
0.3265

260.3881, 0.2705,
0.3294

 13.5546, 0.2052,
0.3249

312.4684, 0.2730,
0.3294

 7.8116, 0.1860,
0.3221

371.0676, 0.2751,

 3.9746, 0.1591,

0.3295

0.3169

436.5700, 0.2771,
0.3295

■ 1.6594, 0.1166,
0.3065

■ 0.3971, 0.0000,
0.2555

■ 84.3154, 0.2520,
0.3288

■ 84.3154, 0.2520,
0.3288

■ 82.3476, 0.2428,
0.3288

■ 86.7875, 0.2630,
0.3289

■ 80.8613, 0.2355,
0.3288

■ 89.8097, 0.2757,
0.3289

■ 79.8116, 0.2302,
0.3288

■ 93.4074, 0.2897,
0.3289

■ 79.1511, 0.2268,
0.3287

■ 97.6082, 0.3047,
0.3290

■ 78.8214, 0.2251,
0.3287

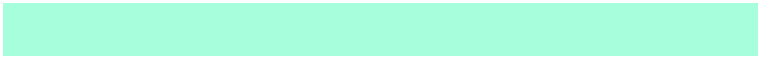
100.0000, 0.3127,
0.3290

■ 78.7400, 0.2247,
0.3287

Harmonies

Analogous

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



84.3154, 0.2797, 0.3667



84.3154, 0.2520, 0.3288



84.3154, 0.2402, 0.2939

Triad

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



84.3154, 0.2520, 0.3288



84.3154, 0.3041, 0.2738



84.3154, 0.3827, 0.3841

Complementary

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



84.3154, 0.2520, 0.3288



41.8931, 0.4351, 0.3294

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.



84.3154, 0.3911, 0.3563



84.3154, 0.2520, 0.3288



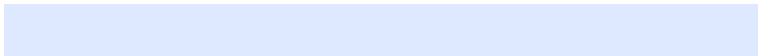
84.3154, 0.3441, 0.2949

Square

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



84.3154, 0.2520, 0.3288



84.3154, 0.2687, 0.2652



84.3154, 0.3768, 0.3243



84.3154, 0.3552, 0.3991

Rectangle

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



84.3154, 0.2520, 0.3288



84.3154, 0.2422, 0.2774



84.3154, 0.3768, 0.3243



84.3154, 0.3880, 0.3758

Sweetspot

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



84.3110, 0.2520, 0.3288



93.8466, 0.2913, 0.3289



78.9829, 0.3060, 0.4712



19.9071, 0.2882, 0.3289



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

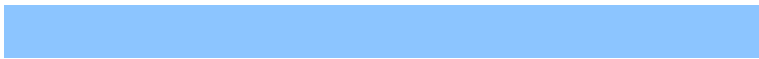
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3110, 0.2520, 0.3288



82.5427, 0.2437, 0.3288



52.9393, 0.2397, 0.2594



20.4815, 0.2980, 0.3290



41.1433, 0.2247, 0.3287



4.0060, 0.2247, 0.3287

Inverse Universe

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



47.2212, 0.3179, 0.2186



41.2726, 0.3188, 0.2003



63.3002, 0.4055, 0.3886



18.3004, 0.3138, 0.3056



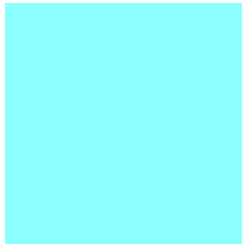
14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 84.3154, 0.2520, 0.3288 looks on a white background.

Color Contrast Check

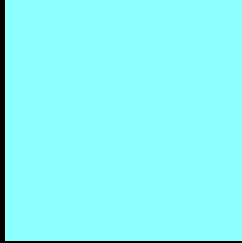
Large Text (above 18pt) WCAG AA × Fail

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 84.3154, 0.2520, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

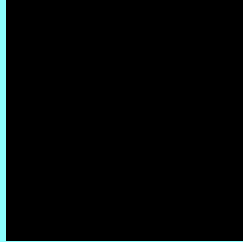
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

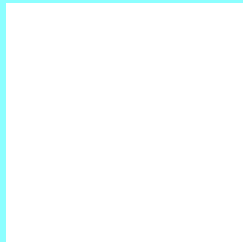
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3154, 0.2520, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 84.3154, 0.2520, 0.3288.

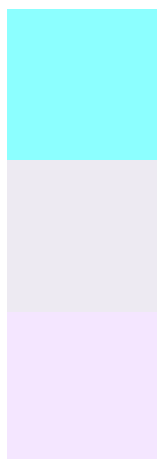


This preview shows how white text looks on a background with the Yxy color 84.3154, 0.2520, 0.3288.

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

84.3154, 0.2520, 0.3288

Protanopia

83.2610, 0.3098, 0.3209

Deuteranopia

83.0467, 0.3065, 0.3043



Tritanopia

83.6571, 0.2774, 0.3172

Trichromacy



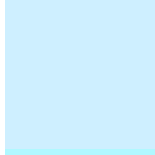
Original Color

84.3154, 0.2520, 0.3288



Protanomaly

82.7762, 0.2850, 0.3236



Deuteranomaly

82.0748, 0.2828, 0.3121



Tritanomaly

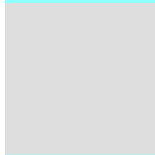
83.5849, 0.2672, 0.3213

Monochromacy



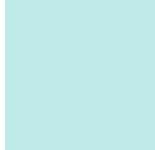
Original Color

84.3154, 0.2520, 0.3288



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3675, 0.2862, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3154, 0.2520, 0.3288 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(140, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 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(140, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.3154, 0.2520, 0.3288 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(140, 255, 255) }
```

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

```
.border{ border-color:rgb(140, 255, 255) }
```

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

Here you see how a box with a 4 pixel rgb(140, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3154, 0.2520, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 255) }
```

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

```
.background{ background-color: rgb(140,  
255, 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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