

Converting Colors

$Yxy(83.1650, 0.2561, 0.3438)$

Have a look what the booklet for
Yxy(83.1650, 0.2561, 0.3438)
contains.

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Color

Yxy(83.1650, 0.2561, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	88FFF2
RGB	136, 255, 242
RGB Percent	53%, 100%, 95%
CMY	0.4663, 0.0000, 0.0510
CMYK	0.47, 0.00, 0.05, 0.00
HSL	173°, 100%, 77%
HSV	173°, 47%, 100%
XYZ	61.9504, 83.1650, 96.7839
YIQ	217.9370, -66.7510, -29.2710

Conversions

Conversions Part 2

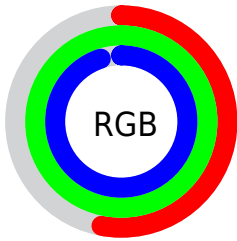
Format	Color
R_{YB}	136, 199, 255
Decimal	8978418
CIE Lab	93.09, -36.68, -4.22
CIE LCh	93, 36.927, 186.560
Yxy	83.1650, 0.2561, 0.3438
Android (android.graphics.Color)	4287168498 (0xFF88FFF2)
YUV	217.9370, 11.8631, -71.8587
Hunter-Lab	91.1948, -38.3325, 0.9127

Details

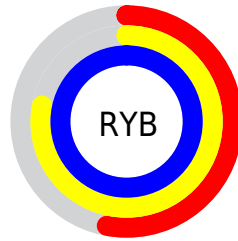
The Yxy color **83.1650, 0.2561, 0.3438** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **41.0678, 0.4267, 0.3158**, and the grayscale version is **70.0336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **45.3892, 0.2437, 0.3470** is the 20% darker color. If you saturate the color by 10%, you get **81.1131, 0.2479, 0.3475**, and if you desaturate by 10%, it is **85.7339, 0.2660, 0.3402**.

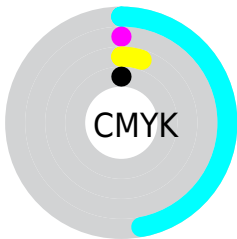
Distribution



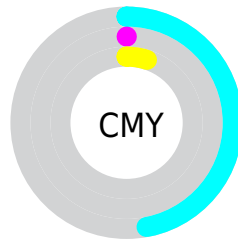
- Red (53%)
- Green (100%)
- Blue (95%)



- Red (53%)
- Yellow (78%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1650, 0.2561, 0.3438 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 83.1650, 0.2561, 0.3438 by changing the saturation by 10% instead.


 83.1650, 0.2561,
0.3438


 83.1650, 0.2561,
0.3438

505.5363, 0.2814,
0.3375

 62.3263, 0.2506,
0.3451

 137.8065, 0.2647,
0.3417

 45.2964, 0.2438,
0.3467


 172.3781, 0.2681,
0.3409

 31.6909, 0.2355,
0.3486


212.2961, 0.2710,
0.3401

 21.1256, 0.2249,
0.3510

257.9450, 0.2736,
0.3395

 13.2158, 0.2109,
0.3539

309.7090, 0.2759,
0.3389

 7.5773, 0.1920,
0.3576


367.9726, 0.2779,


 3.8257, 0.1648,


0.3384


0.3621


433.1202, 0.2797,
0.3379


 1.5765, 0.1134,
0.3714


 0.3417, 0.0000,
0.3388


 83.1650, 0.2561,
0.3438


 83.1650, 0.2561,
0.3438


 81.1131, 0.2479,
0.3475

 85.7339, 0.2660,
0.3402


 79.5317, 0.2417,
0.3513

 88.8430, 0.2774,
0.3369

 78.3828, 0.2374,
0.3551

 92.5258, 0.2899,
0.3337

 77.6177, 0.2350,
0.3590

 96.8102, 0.3034,
0.3308

■ 77.1752, 0.2344,
0.3627

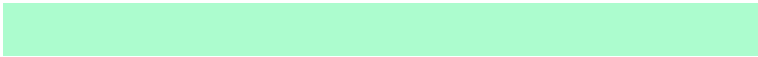
99.9955, 0.3127,
0.3290

■ 77.0676, 0.2345,
0.3640

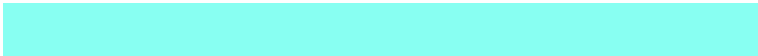
Harmonies

Analogous

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



83.1650, 0.2907, 0.3828



83.1650, 0.2561, 0.3438



83.1650, 0.2370, 0.3031

Triad

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



83.1650, 0.2561, 0.3438



83.1650, 0.2884, 0.2646



83.1650, 0.3945, 0.3784

Complementary

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



83.1650, 0.2561, 0.3438



41.0678, 0.4267, 0.3158

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.



83.1650, 0.3949, 0.3458



83.1650, 0.2561, 0.3438



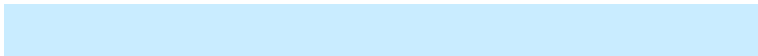
83.1650, 0.3312, 0.2828

Square

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



83.1650, 0.2561, 0.3438



83.1650, 0.2546, 0.2608



83.1650, 0.3712, 0.3117



83.1650, 0.3711, 0.4011

Rectangle

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



83.1650, 0.2561, 0.3438



83.1650, 0.2345, 0.2818



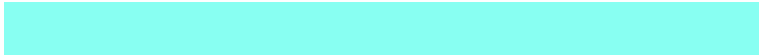
83.1650, 0.3712, 0.3117



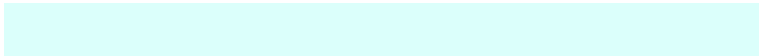
83.1650, 0.3974, 0.3682

Sweetspot

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



83.1683, 0.2561, 0.3438



93.5978, 0.2934, 0.3329



79.7770, 0.3132, 0.4734



19.8457, 0.2906, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

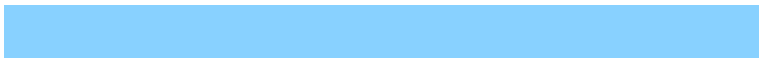
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1683, 0.2561, 0.3438



81.2327, 0.2484, 0.3473



58.2677, 0.2405, 0.2741



20.4452, 0.2995, 0.3316



40.2858, 0.2343, 0.3634



3.9319, 0.2331, 0.3591

Inverse Universe

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



41.0678, 0.4267, 0.3158



34.4462, 0.4643, 0.3140



56.3618, 0.4167, 0.3767



18.0194, 0.3277, 0.3264



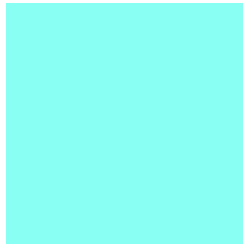
11.1626, 0.6274, 0.3230



1.0969, 0.6048, 0.3105

Previews

White Background



This preview shows how the Yxy color 83.1650, 0.2561, 0.3438 looks on a white background.

Color Contrast Check

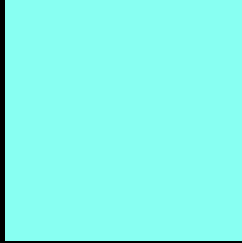
Large Text (above 18pt) WCAG AA × Fail

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 83.1650, 0.2561, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

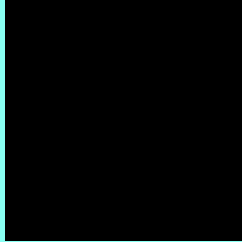
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1650, 0.2561, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 83.1650, 0.2561, 0.3438.

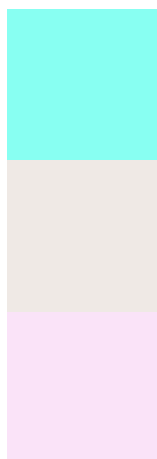


This preview shows how white text looks on a background with the Yxy color 83.1650, 0.2561, 0.3438.

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

83.1650, 0.2561, 0.3438

Protanopia

82.2857, 0.3193, 0.3331

Deuteranopia

82.0395, 0.3151, 0.3083



Tritanopia

82.3976, 0.2746, 0.3160

Trichromacy



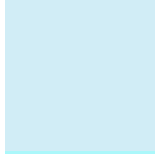
Original Color

83.1650, 0.2561, 0.3438



Protanomaly

81.4077, 0.2921, 0.3365



Deuteranomaly

80.7775, 0.2895, 0.3194



Tritanomaly

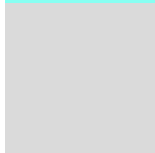
82.0816, 0.2670, 0.3256

Monochromacy



Original Color

83.1650, 0.2561, 0.3438



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.3892, 0.2871, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1650, 0.2561, 0.3438 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(136, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 242)  
}
```

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(136, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 83.1650, 0.2561, 0.3438 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(136, 255, 242) }
```

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

```
.border{ border-color:rgb(136, 255, 242) }
```

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

Here you see how a box with a 4 pixel rgb(136, 255, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1650, 0.2561, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 242) }
```

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

```
.background{ background-color: rgb(136,  
255, 242) }
```

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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