

Converting Colors

$Y_{xy}(100.0000, 0.2157, 0.2337)$

Have a look what the booklet for
Yxy(100.0000, 0.2157, 0.2337)
contains.

Yxy(84.6693, 0.2536, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.6693, 0.2536, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	90FFFF
RGB	144, 255, 255
RGB Percent	56%, 100%, 100%
CMY	0.4356, 0.0000, 0.0000
CMYK	0.44, 0.00, 0.00, 0.00
HSL	180°, 100%, 78%
HSV	180°, 44%, 100%
XYZ	65.3045, 84.6693, 107.5362
YIQ	221.8110, -66.1560, -23.5320

Conversions

Conversions Part 2

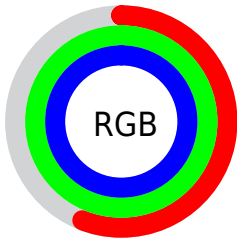
Format	Color
RYB	144, 200, 255
Decimal	9502719
CIELab	93.74, -31.82, -9.96
CIElCh	94, 33.340, 197.390
Yxy	84.6693, 0.2536, 0.3288
Android (android.graphics.Color)	4287692799 (0xFF90FFFF)
YUV	221.8110, 16.3622, -68.2402
Hunter-Lab	92.0159, -34.3448, -4.8793

Details

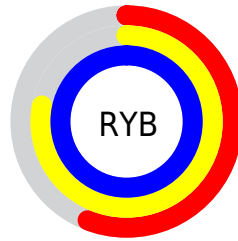
The Yxy color **84.6693, 0.2536, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.1928, 0.4287, 0.3293**, and the grayscale version is **72.8052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **46.3502, 0.2415, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **82.6209, 0.2441, 0.3288**, and if you desaturate by 10%, it is **87.2213, 0.2649, 0.3289**.

Distribution



- Red (56%)
- Green (100%)
- Blue (100%)



- Red (56%)
- Yellow (78%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6693, 0.2536, 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 84.6693, 0.2536, 0.3288 by changing the saturation by 10% instead.


 84.6693, 0.2536,
0.3288


 84.6693, 0.2536,
0.3288


510.5332, 0.2797,
0.3295

 63.5682, 0.2479,
0.3285


 139.9110, 0.2624,
0.3291

 46.3010, 0.2411,
0.3281

 174.8204, 0.2659,
0.3292

 32.4834, 0.2326,
0.3275


215.1014, 0.2690,
0.3293

 21.7310, 0.2219,
0.3266

261.1383, 0.2716,
0.3294

 13.6594, 0.2080,
0.3251

313.3155, 0.2740,
0.3294

 7.8841, 0.1893,
0.3225

372.0175, 0.2761,

 4.0209, 0.1629,

0.3294

0.3175

437.6286, 0.2780,
0.3295

■ 1.6853, 0.1221,
0.3075

■ 0.4141, 0.0000,
0.2632

■ 84.6693, 0.2536,
0.3288

■ 84.6693, 0.2536,
0.3288

■ 82.6209, 0.2441,
0.3288

■ 87.2213, 0.2649,
0.3289

■ 81.0629, 0.2365,
0.3288

■ 90.3312, 0.2778,
0.3289

■ 79.9481, 0.2309,
0.3288

■ 94.0210, 0.2920,
0.3289

■ 79.2305, 0.2272,
0.3287

■ 98.3180, 0.3071,
0.3290

■ 78.8539, 0.2253,
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.



84.6693, 0.2806, 0.3656



84.6693, 0.2536, 0.3288



84.6693, 0.2421, 0.2949

Triad

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



84.6693, 0.2536, 0.3288



84.6693, 0.3045, 0.2753



84.6693, 0.3808, 0.3827

Complementary

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



84.6693, 0.2536, 0.3288



43.1928, 0.4287, 0.3293

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.



84.6693, 0.3889, 0.3558



84.6693, 0.2536, 0.3288



84.6693, 0.3433, 0.2959

Square

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



84.6693, 0.2536, 0.3288



84.6693, 0.2700, 0.2668



84.6693, 0.3750, 0.3246



84.6693, 0.3541, 0.3971

Rectangle

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



84.6693, 0.2536, 0.3288



84.6693, 0.2440, 0.2788



84.6693, 0.3750, 0.3246



84.6693, 0.3858, 0.3747

Sweetspot

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



84.6619, 0.2536, 0.3288



94.2459, 0.2928, 0.3289



79.4530, 0.3063, 0.4656



19.9856, 0.2896, 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.



84.6619, 0.2536, 0.3288



82.9068, 0.2455, 0.3288



54.2003, 0.2422, 0.2622



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.



48.4017, 0.3177, 0.2221



42.4975, 0.3186, 0.2042



64.3295, 0.4015, 0.3867



18.3004, 0.3138, 0.3056



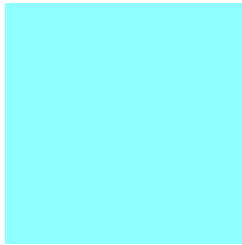
14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 84.6693, 0.2536, 0.3288 looks on a white background.

Color Contrast Check

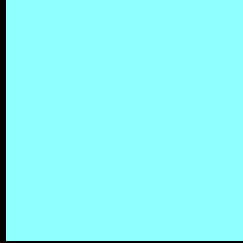
Large Text (above 18pt) WCAG AA × Fail

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 84.6693, 0.2536, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

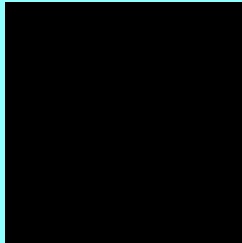
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.6693, 0.2536, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 84.6693, 0.2536, 0.3288.

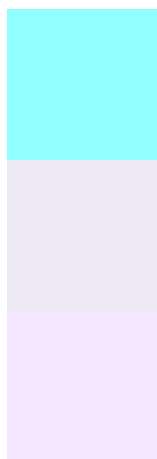


This preview shows how white text looks on a background with the Yxy color 84.6693, 0.2536, 0.3288.

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

84.6693, 0.2536, 0.3288

Protanopia

83.4938, 0.3098, 0.3199

Deuteranopia

83.6049, 0.3065, 0.3053



Tritanopia

83.9271, 0.2786, 0.3173

Trichromacy



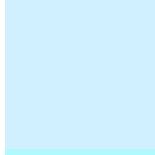
Original Color

84.6693, 0.2536, 0.3288



Protanomaly

83.0570, 0.2862, 0.3236



Deuteranomaly

82.9501, 0.2840, 0.3132



Tritanomaly

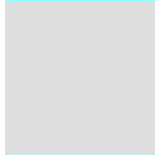
83.8198, 0.2682, 0.3213

Monochromacy



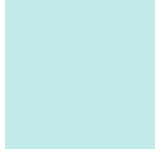
Original Color

84.6693, 0.2536, 0.3288



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2555, 0.2869, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6693, 0.2536, 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(144, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.6693, 0.2536, 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(144, 255, 255) }
```

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

```
.border{ border-color:rgb(144, 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(144, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6693, 0.2536, 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(144, 255, 255) }
```

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

```
.background{ background-color: rgb(144,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor