

Converting Colors

$Y_{xy}(74.1640, 0.2536, 0.3184)$

Have a look what the booklet for
Yxy(74.1640, 0.2536, 0.3184)
contains.

Yxy(74.4396, 0.2537, 0.3184)	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(74.4396, 0.2537, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	90EFF8
RGB	144, 239, 248
RGB Percent	56%, 94%, 97%
CMY	0.4352, 0.0627, 0.0275
CMYK	0.42, 0.04, 0.00, 0.03
HSL	185°, 88%, 77%
HSV	185°, 42%, 97%
XYZ	59.3132, 74.4396, 100.0399
YIQ	211.6210, -59.5090, -17.3410

Conversions

Conversions Part 2

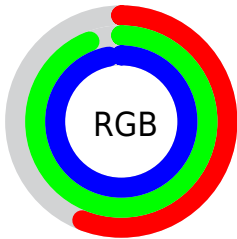
Format	Color
RYB	144, 194, 248
Decimal	9498616
CIELab	89.13, -25.87, -13.17
CIElCh	89, 29.032, 206.986
Yxy	74.4396, 0.2537, 0.3184
Android (android.graphics.Color)	4287688696 (0xFF90EFF8)
YUV	211.6210, 17.9348, -59.3036
Hunter-Lab	86.2784, -28.2750, -8.3520

Details

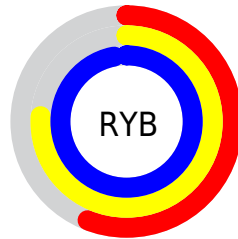
The Yxy color **74.4396, 0.2537, 0.3184** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.7577, 0.4176, 0.3390**, and the grayscale version is **65.4875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **39.6512, 0.2406, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **71.2007, 0.2429, 0.3155**, and if you desaturate by 10%, it is **78.1896, 0.2661, 0.3212**.

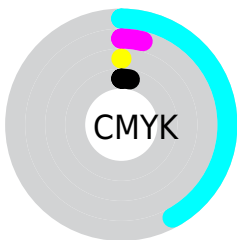
Distribution



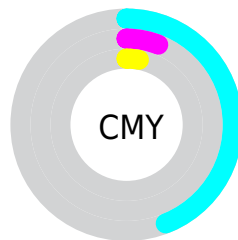
- Red (56%)
- Green (94%)
- Blue (97%)



- Red (56%)
- Yellow (76%)
- Blue (97%)



- Cyan (42%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)





- Cyan (44%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4396, 0.2537, 0.3184 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 74.4396, 0.2537, 0.3184 by changing the saturation by 10% instead.


 74.4396, 0.2537,
0.3184


 74.4396, 0.2537,
0.3184


475.9892, 0.2803,
0.3239

 55.1539, 0.2478,
0.3170

 125.5188, 0.2628,
0.3204

 39.5250, 0.2406,
0.3152

 158.0810, 0.2664,
0.3212

 27.1684, 0.2316,
0.3129


195.8376, 0.2695,
0.3218

 17.6997, 0.2202,
0.3096

239.1729, 0.2722,
0.3224

 10.7346, 0.2051,
0.3049

288.4714, 0.2746,
0.3228

 5.8887, 0.1843,
0.2976

344.1173, 0.2767,

 2.7775, 0.1545,

0.3232

0.2852

406.4951, 0.2786,
0.3236

■ 1.0167, 0.0866,
0.2675

■ 0.0000, 0.0000,
0.0000

■ 74.4396, 0.2537,
0.3184

■ 74.4396, 0.2537,
0.3184

■ 71.2007, 0.2429,
0.3155

■ 78.1896, 0.2661,
0.3212

■ 68.4317, 0.2340,
0.3125

■ 82.4717, 0.2797,
0.3238

■ 66.0991, 0.2269,
0.3095

■ 87.3158, 0.2944,
0.3263

■ 64.1610, 0.2218,
0.3065

■ 92.7474, 0.3097,
0.3286

■ 62.5669, 0.2186,
0.3035

■ 96.2356, 0.3171,
0.3307

■ 61.4679, 0.2170,
0.3012

■ 97.5739, 0.3170,
0.3327

■ 98.9273, 0.3168,
0.3348

■ 99.5567, 0.3168,
0.3357

Harmonies

Analogous

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



74.4396, 0.2744, 0.3520



74.4396, 0.2537, 0.3184



74.4396, 0.2481, 0.2904

Triad

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



74.4396, 0.2537, 0.3184



74.4396, 0.3167, 0.2848



74.4396, 0.3685, 0.3838

Complementary

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



74.4396, 0.2537, 0.3184



44.7577, 0.4176, 0.3390

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.



74.4396, 0.3817, 0.3623



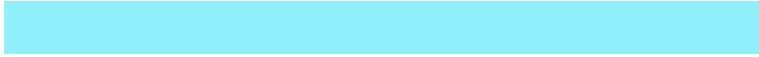
74.4396, 0.2537, 0.3184



74.4396, 0.3510, 0.3066

Square

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



74.4396, 0.2537, 0.3184



74.4396, 0.2830, 0.2732



74.4396, 0.3754, 0.3343



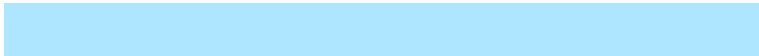
74.4396, 0.3404, 0.3912

Rectangle

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



74.4396, 0.2537, 0.3184



74.4396, 0.2533, 0.2784



74.4396, 0.3754, 0.3343



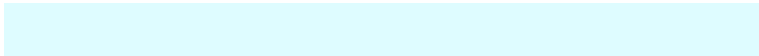
74.4396, 0.3749, 0.3778

Sweetspot

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



74.4425, 0.2537, 0.3184



92.4307, 0.2927, 0.3260



75.3506, 0.3023, 0.4485



19.5317, 0.2894, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

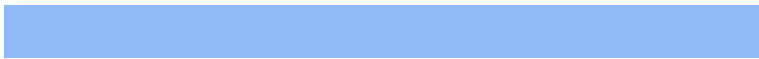
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4425, 0.2537, 0.3184



76.4573, 0.2448, 0.3160



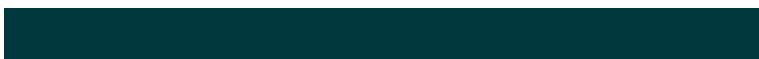
48.3965, 0.2431, 0.2542



19.3367, 0.2980, 0.3269



33.3126, 0.2171, 0.3017



3.1586, 0.2181, 0.3052

Inverse Universe

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



46.1422, 0.3252, 0.2335



43.0984, 0.3281, 0.2168



65.4757, 0.3932, 0.3931



17.4972, 0.3151, 0.3076



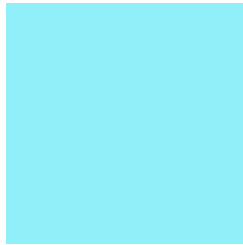
13.7738, 0.3440, 0.1668



1.2831, 0.3409, 0.1652

Previews

White Background



This preview shows how the Yxy color 74.4396, 0.2537, 0.3184 looks on a white background.

Color Contrast Check

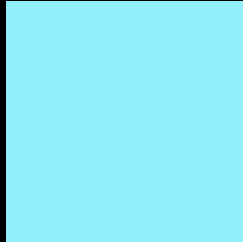
Large Text (above 18pt) WCAG AA × Fail

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 74.4396, 0.2537, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

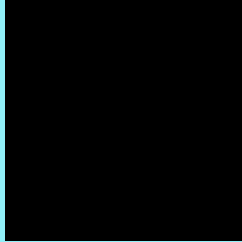
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.4396, 0.2537, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 74.4396, 0.2537, 0.3184.

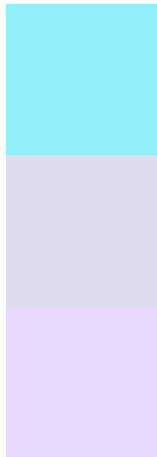


This preview shows how white text looks on a background with the Yxy color 74.4396, 0.2537, 0.3184.

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

74.4396, 0.2537, 0.3184

Protanopia

73.5153, 0.3038, 0.3120

Deuteranopia

73.5406, 0.2985, 0.2920



Tritanopia

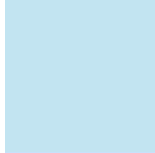
74.4638, 0.2538, 0.3083

Trichromacy



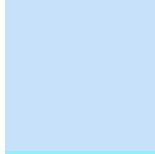
Original Color

74.4396, 0.2537, 0.3184



Protanomaly

73.3070, 0.2826, 0.3145



Deuteranomaly

72.9576, 0.2798, 0.3007



Tritanomaly

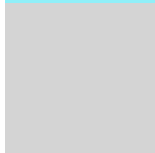
74.5669, 0.2539, 0.3128

Monochromacy



Original Color

74.4396, 0.2537, 0.3184



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.2436, 0.2871, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4396, 0.2537, 0.3184 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, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(144, 239, 248)  
}
```

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, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 239, 248) }
```

Border

The CSS property to change the border of an element to Yxy 74.4396, 0.2537, 0.3184 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, 239, 248) }
```

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

```
.border{ border-color:rgb(144, 239, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 239, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 239, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 239, 248);  
box-shadow:4px 4px 4px 4px rgb(144, 239,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4396, 0.2537, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 239, 248) }
```

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

```
.background{ background-color: rgb(144,  
239, 248) }
```

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