

Converting Colors

$Y_{xy}(74.0749, 0.2540, 0.3074)$

Have a look what the booklet for
Yxy(74.0749, 0.2540, 0.3074)
contains.

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Color

Yxy(73.9832, 0.2540, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	99ECFF
RGB	153, 236, 255
RGB Percent	60%, 93%, 100%
CMY	0.4004, 0.0744, 0.0000
CMYK	0.40, 0.07, 0.00, 0.00
HSL	191°, 100%, 80%
HSV	191°, 40%, 100%
XYZ	61.1710, 73.9832, 105.6765
YIQ	213.3490, -55.5670, -11.6870

Conversions

Conversions Part 2

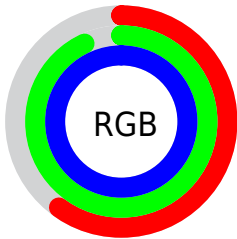
Format	Color
R _Y B	153, 199, 255
Decimal	10087679
CIE Lab	88.91, -20.53, -17.13
CIE LCh	89, 26.736, 219.845
Yxy	73.9832, 0.2540, 0.3072
Android (android.graphics.Color)	4288277759 (0xFF99ECFF)
YUV	213.3490, 20.5339, -52.9261
Hunter-Lab	86.0135, -23.5781, -12.6345

Details

The Yxy color **73.9832, 0.2540, 0.3072** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.0207, 0.4065, 0.3492**, and the grayscale version is **66.6611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **39.2065, 0.2413, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **69.0707, 0.2418, 0.3008**, and if you desaturate by 10%, it is **79.5019, 0.2675, 0.3133**.

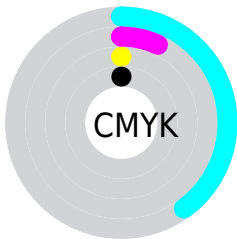
Distribution



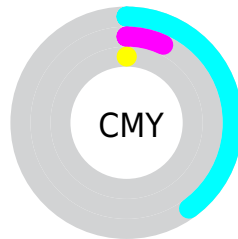
- Red (60%)
- Green (93%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9832, 0.2540, 0.3072 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 73.9832, 0.2540, 0.3072 by changing the saturation by 10% instead.

 73.9832, 0.2540,
0.3072

 73.9832, 0.2540,
0.3072


474.4154, 0.2805,
0.3178

 54.7803, 0.2481,
0.3047


 124.8720, 0.2630,
0.3110

 39.2258, 0.2410,
0.3015


 157.3267, 0.2666,
0.3124

 26.9355, 0.2321,
0.2974


194.9674, 0.2697,
0.3136

 17.5248, 0.2208,
0.2919

238.1785, 0.2724,
0.3147

 10.6093, 0.2058,
0.2843

287.3445, 0.2748,
0.3156

 5.8048, 0.1854,
0.2731

342.8497, 0.2769,

 2.7267, 0.1562,

0.3165

0.2551

405.0785, 0.2788,
0.3172

■ 0.9908, 0.0997,
0.2262

■ 0.0000, 0.0000,
0.0000

■ 73.9832, 0.2540,
0.3072

■ 73.9832, 0.2540,
0.3072

■ 69.0707, 0.2418,
0.3008

■ 79.5019, 0.2675,
0.3133

■ 64.7241, 0.2312,
0.2942

■ 85.6529, 0.2820,
0.3190

■ 60.9069, 0.2224,
0.2874

■ 92.4673, 0.2972,
0.3242

■ 57.5747, 0.2156,
0.2806

99.9722, 0.3127,
0.3290

■ 54.6751, 0.2107,
0.2738

100.0000, 0.3127,
0.3290

■ 52.1310, 0.2075,
0.2671

Harmonies

Analogous

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



73.9832, 0.2675, 0.3370



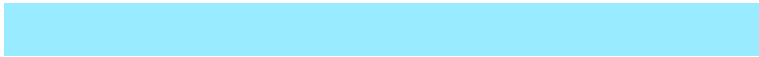
73.9832, 0.2540, 0.3072



73.9832, 0.2552, 0.2856

Triad

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



73.9832, 0.2540, 0.3072



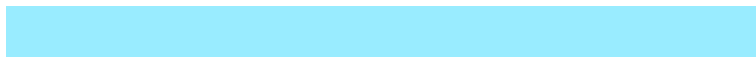
73.9832, 0.3305, 0.2957



73.9832, 0.3545, 0.3845

Complementary

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



73.9832, 0.2540, 0.3072



53.0207, 0.4065, 0.3492

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.



73.9832, 0.3732, 0.3696



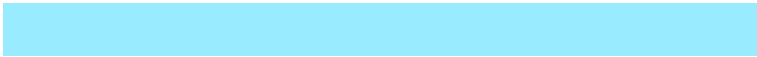
73.9832, 0.2540, 0.3072



73.9832, 0.3593, 0.3190

Square

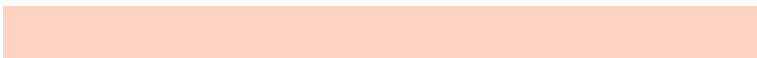
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.9832, 0.2540, 0.3072



73.9832, 0.2980, 0.2804



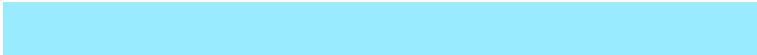
73.9832, 0.3752, 0.3456



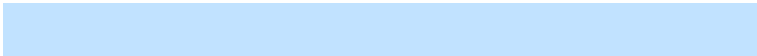
73.9832, 0.3249, 0.3839

Rectangle

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



73.9832, 0.2540, 0.3072



73.9832, 0.2641, 0.2780



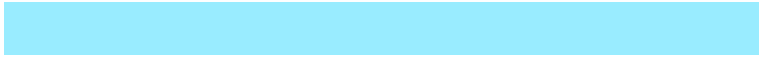
73.9832, 0.3752, 0.3456



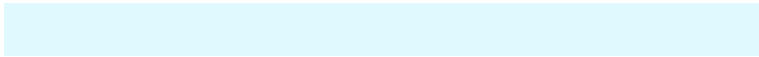
73.9832, 0.3623, 0.3810

Sweetspot

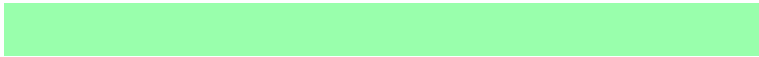
The Sweet Spot groups the original color and five complimentary colors.



73.9850, 0.2540, 0.3072



91.0748, 0.2942, 0.3232



81.2478, 0.2977, 0.4297



19.2987, 0.2922, 0.3225



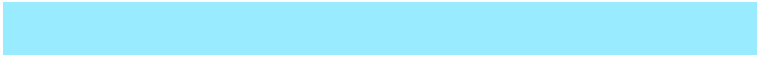
0.0000, 0.0000, 0.0000



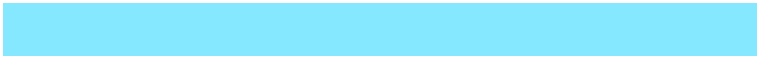
21.4041, 0.3127, 0.3290

Same Dimension

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



73.9850, 0.2540, 0.3072



70.0237, 0.2442, 0.3022



48.7813, 0.2443, 0.2454



19.8733, 0.2980, 0.3245



27.4459, 0.2078, 0.2682



2.8141, 0.2100, 0.2759

Inverse Universe

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



50.0702, 0.3333, 0.2463



43.7657, 0.3386, 0.2309



76.1569, 0.3849, 0.4000



18.2390, 0.3167, 0.3099



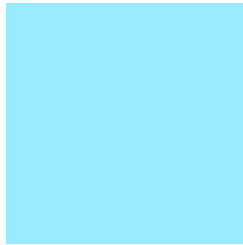
13.4986, 0.3745, 0.1837



1.3286, 0.3673, 0.1797

Previews

White Background



This preview shows how the Yxy color 73.9832, 0.2540, 0.3072 looks on a white background.

Color Contrast Check

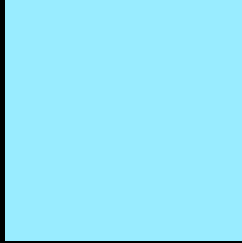
Large Text (above 18pt) WCAG AA × Fail

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 73.9832, 0.2540, 0.3072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

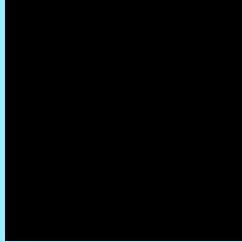
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.9832, 0.2540, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 73.9832, 0.2540, 0.3072.

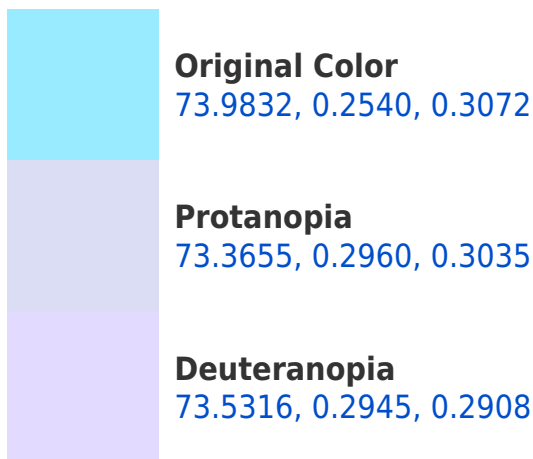


This preview shows how white text looks on a background with the Yxy color 73.9832, 0.2540, 0.3072.

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

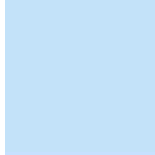
73.9832, 0.2540, 0.3072

Trichromacy



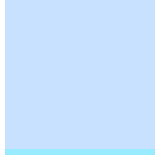
Original Color

73.9832, 0.2540, 0.3072



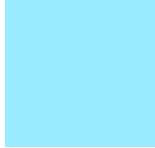
Protanomaly

72.8344, 0.2786, 0.3037



Deuteranomaly

73.2125, 0.2776, 0.2966



Tritanomaly

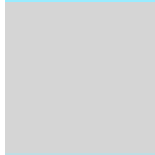
73.9832, 0.2540, 0.3072

Monochromacy



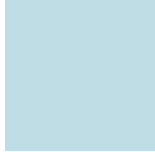
Original Color

73.9832, 0.2540, 0.3072



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.3907, 0.2879, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9832, 0.2540, 0.3072 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, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 236, 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(153, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.9832, 0.2540, 0.3072 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, 236, 255) }
```

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

```
.border{ border-color:rgb(153, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9832, 0.2540, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 236, 255) }
```

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

```
.background{ background-color: rgb(153,  
236, 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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