

Converting Colors

$Y_{xy}(72.5992, 0.2556, 0.3067)$

Have a look what the booklet for
Yxy(72.5992, 0.2556, 0.3067)
contains.

Yxy(72.3382, 0.2554, 0.3060)	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(72.3382, 0.2554, 0.3060)

Conversions

Conversions Part 1

Format	Color
Hex	9BE9FD
RGB	155, 233, 253
RGB Percent	61%, 91%, 99%
CMY	0.3923, 0.0862, 0.0080
CMYK	0.39, 0.08, 0.00, 0.01
HSL	192°, 96%, 80%
HSV	192°, 39%, 99%
XYZ	60.3764, 72.3382, 103.6848
YIQ	211.9580, -52.9080, -10.3160

Conversions

Conversions Part 2

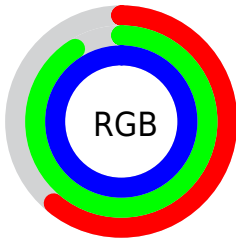
Format	Color
RYB	155, 198, 253
Decimal	10217981
CIELab	88.13, -19.03, -17.23
CIELCh	88, 25.669, 222.159
Yxy	72.3382, 0.2554, 0.3060
Android (android.graphics.Color)	4288408061 (0xFF9BE9FD)
YUV	211.9580, 20.2337, -49.9522
Hunter-Lab	85.0519, -22.1277, -12.7428

Details

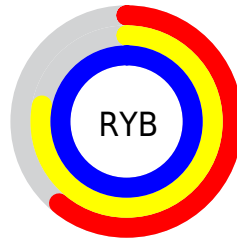
The Yxy color **72.3382, 0.2554, 0.3060** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.8716, 0.4015, 0.3504**, and the grayscale version is **65.6937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **38.0265, 0.2425, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **67.2211, 0.2428, 0.2990**, and if you desaturate by 10%, it is **78.0703, 0.2692, 0.3126**.

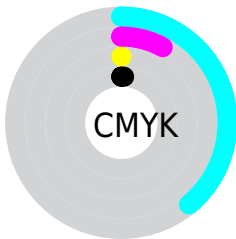
Distribution



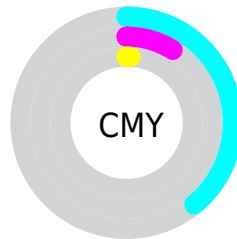
- Red (61%)
- Green (91%)
- Blue (99%)



- Red (61%)
- Yellow (78%)
- Blue (99%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (39%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3382, 0.2554, 0.3060 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 72.3382, 0.2554, 0.3060 by changing the saturation by 10% instead.


 72.3382, 0.2554,
0.3060


 72.3382, 0.2554,
0.3060

468.7179, 0.2814,
0.3172

 53.4350, 0.2496,
0.3033


 122.5372, 0.2643,
0.3100

 38.1501, 0.2426,
0.3000


 154.6019, 0.2678,
0.3115

 26.0992, 0.2338,
0.2957


191.8224, 0.2708,
0.3128

 16.8979, 0.2225,
0.2900

234.5833, 0.2734,
0.3139

 10.1617, 0.2076,
0.2820

283.2689, 0.2758,
0.3149

 5.5063, 0.1872,
0.2702

338.2636, 0.2778,

 2.5473, 0.1576,

0.3157

399.9518, 0.2797,
0.3165

0.2513

0.9002, 0.0963,
0.2216

0.0000, 0.0000,
0.0000

72.3382, 0.2554,
0.3060

72.3382, 0.2554,
0.3060

67.2211, 0.2428,
0.2990

78.0703, 0.2692,
0.3126

62.6768, 0.2317,
0.2917

84.4398, 0.2839,
0.3188

58.6707, 0.2225,
0.2843

91.4780, 0.2992,
0.3245

55.1601, 0.2151,
0.2767

98.9926, 0.3140,
0.3296

■ 52.0946, 0.2098,
0.2692

99.8701, 0.3139,
0.3309

■ 49.4018, 0.2062,
0.2618

■ 49.0780, 0.2058,
0.2609

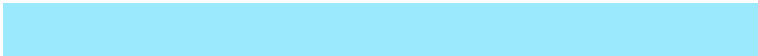
Harmonies

Analogous

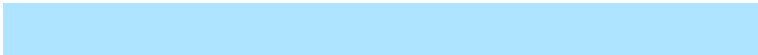
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3382, 0.2675, 0.3344



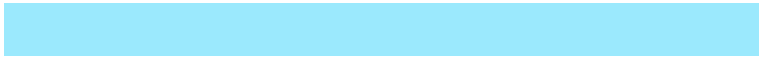
72.3382, 0.2554, 0.3060



72.3382, 0.2577, 0.2859

Triad

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



72.3382, 0.2554, 0.3060



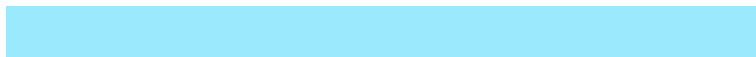
72.3382, 0.3324, 0.2983



72.3382, 0.3512, 0.3832

Complementary

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



72.3382, 0.2554, 0.3060



53.8716, 0.4015, 0.3504

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.



72.3382, 0.3704, 0.3699



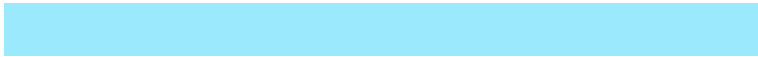
72.3382, 0.2554, 0.3060



72.3382, 0.3595, 0.3213

Square

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



72.3382, 0.2554, 0.3060



72.3382, 0.3009, 0.2827



72.3382, 0.3737, 0.3471



72.3382, 0.3222, 0.3812

Rectangle

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



72.3382, 0.2554, 0.3060



72.3382, 0.2671, 0.2792



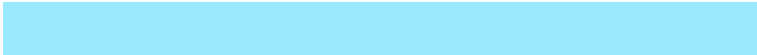
72.3382, 0.3737, 0.3471



72.3382, 0.3591, 0.3802

Sweetspot

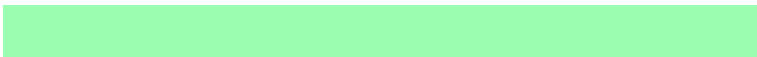
The Sweet Spot groups the original color and five complimentary colors.



72.3410, 0.2554, 0.3060



90.7399, 0.2941, 0.3227



80.2761, 0.2973, 0.4237



19.2195, 0.2921, 0.3219



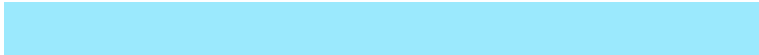
0.0000, 0.0000, 0.0000



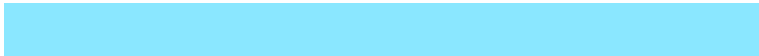
21.4041, 0.3127, 0.3290

Same Dimension

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



72.3410, 0.2554, 0.3060



69.8135, 0.2461, 0.3009



48.4879, 0.2464, 0.2466



19.8162, 0.2980, 0.3240



26.3284, 0.2061, 0.2621



2.7148, 0.2085, 0.2706

Inverse Universe

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



50.1916, 0.3340, 0.2505



45.1270, 0.3392, 0.2365



76.3229, 0.3816, 0.3993



18.2332, 0.3169, 0.3103



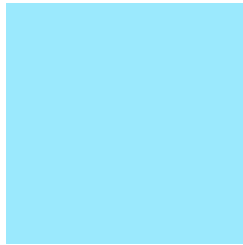
13.3858, 0.3804, 0.1869



1.3186, 0.3723, 0.1825

Previews

White Background



This preview shows how the Yxy color 72.3382, 0.2554, 0.3060 looks on a white background.

Color Contrast Check

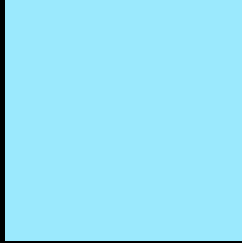
Large Text (above 18pt) WCAG AA × Fail

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 72.3382, 0.2554, 0.3060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

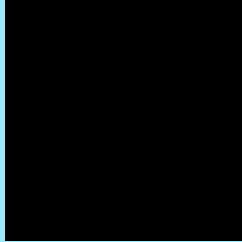
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3382, 0.2554, 0.3060

Background



This preview shows how black text looks on a background with the Yxy color 72.3382, 0.2554, 0.3060.

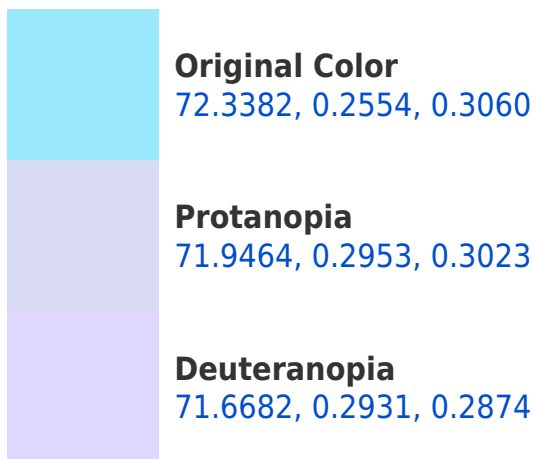


This preview shows how white text looks on a background with the Yxy color 72.3382, 0.2554, 0.3060.

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

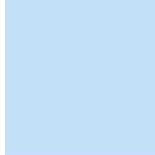
72.2747, 0.2559, 0.3071

Trichromacy



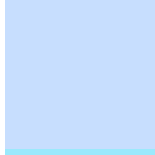
Original Color

72.3382, 0.2554, 0.3060



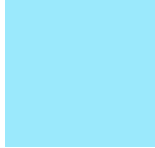
Protanomaly

71.4960, 0.2789, 0.3036



Deuteranomaly

71.5404, 0.2779, 0.2943



Tritanomaly

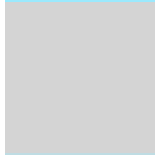
72.2747, 0.2559, 0.3071

Monochromacy



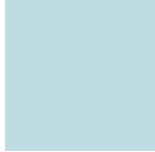
Original Color

72.3382, 0.2554, 0.3060



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.8088, 0.2884, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3382, 0.2554, 0.3060 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(155, 233, 253)` looks like.

```
.text, #text, p{  
    color:rgb(155, 233, 253)  
}
```

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(155, 233, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 233, 253) }
```

Border

The CSS property to change the border of an element to Yxy 72.3382, 0.2554, 0.3060 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(155, 233, 253) }
```

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

```
.border{ border-color:rgb(155, 233, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 233, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 233, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 233, 253); box-shadow:4px 4px 4px 4px rgb(155, 233, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3382, 0.2554, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 233, 253) }
```

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

```
.background{ background-color: rgb(155,  
233, 253) }
```

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