

Converting Colors

$Y_{xy}(76.2332, 0.2293, 0.2551)$

Have a look what the booklet for
Yxy(76.2332, 0.2293, 0.2551)
contains.

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Color

Yxy(72.5660, 0.2497, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	90EBFF
RGB	144, 235, 255
RGB Percent	56%, 92%, 100%
CMY	0.4354, 0.0784, 0.0000
CMYK	0.44, 0.08, 0.00, 0.00
HSL	191°, 100%, 78%
HSV	191°, 44%, 100%
XYZ	59.2535, 72.5660, 105.4794
YIQ	210.0710, -60.6560, -13.0720

Conversions

Conversions Part 2

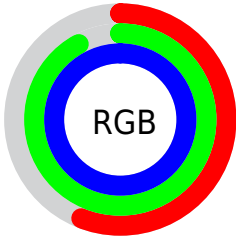
Format	Color
RYB	144, 194, 255
Decimal	9497599
CIELab	88.24, -22.18, -18.17
CIElCh	88, 28.672, 219.324
Yxy	72.5660, 0.2497, 0.3058
Android (android.graphics.Color)	4287687679 (0xFF90EBFF)
YUV	210.0710, 22.1500, -57.9443
Hunter-Lab	85.1857, -24.9137, -13.7846

Details

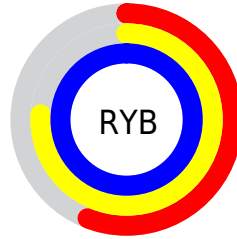
The Yxy color **72.5660, 0.2497, 0.3058** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.8017, 0.4187, 0.3503**, and the grayscale version is **64.3762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **38.2487, 0.2357, 0.2999** is the 20% darker color. If you saturate the color by 10%, you get **67.9332, 0.2381, 0.2995**, and if you desaturate by 10%, it is **77.7906, 0.2627, 0.3118**.

Distribution



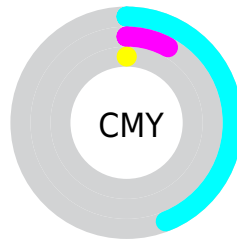
- Red (56%)
- Green (92%)
- Blue (100%)



- Red (56%)
- Yellow (76%)
- Blue (100%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5660, 0.2497, 0.3058 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 72.5660, 0.2497, 0.3058 by changing the saturation by 10% instead.


 72.5660, 0.2497,
0.3058


 72.5660, 0.2497,
0.3058


469.5093, 0.2781,
0.3172

 53.6212, 0.2434,
0.3031


 122.8609, 0.2594,
0.3099

 38.2989, 0.2357,
0.2996


 154.9797, 0.2632,
0.3114

 26.2147, 0.2262,
0.2952

192.2587, 0.2665,
0.3127

 16.9844, 0.2140,
0.2892

235.0822, 0.2694,
0.3139

 10.2233, 0.1980,
0.2809

283.8346, 0.2720,
0.3149

 5.5473, 0.1762,
0.2686

338.9003, 0.2743,

 2.5718, 0.1451,

0.3157

0.2489

400.6637, 0.2763,
0.3165

0.9125, 0.0780,
0.2187

0.0000, 0.0000,
0.0000

72.5660, 0.2497,
0.3058

72.5660, 0.2497,
0.3058

67.9332, 0.2381,
0.2995

77.7906, 0.2627,
0.3118

63.8479, 0.2282,
0.2931

83.6311, 0.2769,
0.3174

60.2726, 0.2202,
0.2865

90.1203, 0.2918,
0.3226

57.1608, 0.2141,
0.2799

97.2860, 0.3072,
0.3274

■ 54.4558, 0.2100,
0.2734

99.9992, 0.3127,
0.3290

■ 52.8721, 0.2081,
0.2692

Harmonies

Analogous

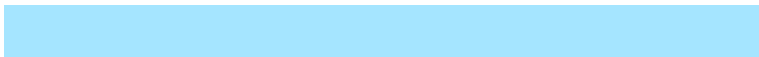
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5660, 0.2644, 0.3381



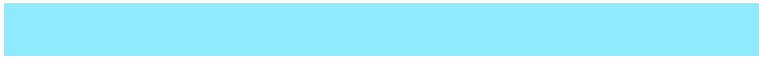
72.5660, 0.2497, 0.3058



72.5660, 0.2507, 0.2825

Triad

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



72.5660, 0.2497, 0.3058



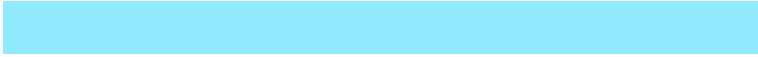
72.5660, 0.3313, 0.2929



72.5660, 0.3581, 0.3887

Complementary

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



72.5660, 0.2497, 0.3058



49.8017, 0.4187, 0.3503

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.



72.5660, 0.3782, 0.3722



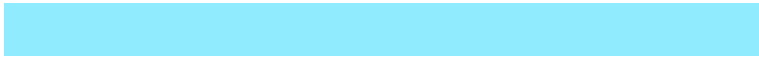
72.5660, 0.2497, 0.3058



72.5660, 0.3626, 0.3176

Square

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



72.5660, 0.2497, 0.3058



72.5660, 0.2962, 0.2767



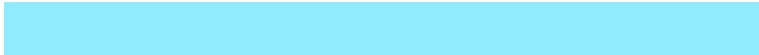
72.5660, 0.3801, 0.3461



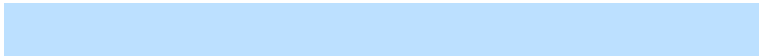
72.5660, 0.3264, 0.3886

Rectangle

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



72.5660, 0.2497, 0.3058



72.5660, 0.2601, 0.2743



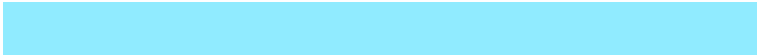
72.5660, 0.3801, 0.3461



72.5660, 0.3665, 0.3848

Sweetspot

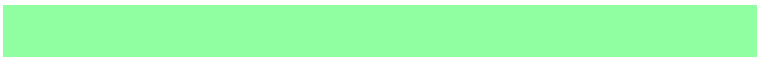
The Sweet Spot groups the original color and five complimentary colors.



72.5688, 0.2497, 0.3058



90.4990, 0.2926, 0.3229



80.0639, 0.2975, 0.4426



19.0499, 0.2893, 0.3218



0.0000, 0.0000, 0.0000



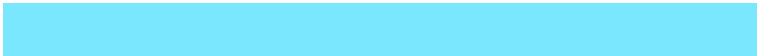
21.4041, 0.3127, 0.3290

Same Dimension

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



72.5688, 0.2497, 0.3058



68.6173, 0.2398, 0.3005



46.1835, 0.2383, 0.2389



19.8927, 0.2980, 0.3246



27.8315, 0.2084, 0.2703



2.8483, 0.2105, 0.2777

Inverse Universe

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



47.1937, 0.3350, 0.2388



41.0550, 0.3406, 0.2230



73.4034, 0.3930, 0.4044



18.2410, 0.3166, 0.3097



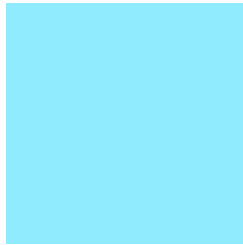
13.5376, 0.3725, 0.1826



1.3321, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 72.5660, 0.2497, 0.3058 looks on a white background.

Color Contrast Check

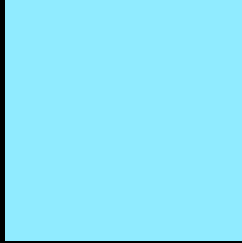
Large Text (above 18pt) WCAG AA × Fail

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 72.5660, 0.2497, 0.3058 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 72.5660, 0.2497, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 72.5660, 0.2497, 0.3058.

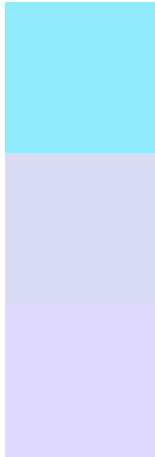


This preview shows how white text looks on a background with the Yxy color 72.5660, 0.2497, 0.3058.

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

72.5660, 0.2497, 0.3058

Protanopia

71.9464, 0.2953, 0.3023

Deuteranopia

72.0197, 0.2925, 0.2884



Tritanopia

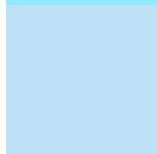
72.5017, 0.2502, 0.3069

Trichromacy



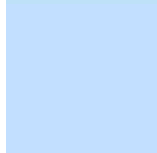
Original Color

72.5660, 0.2497, 0.3058



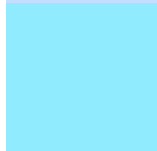
Protanomaly

71.5749, 0.2760, 0.3035



Deuteranomaly

71.4647, 0.2744, 0.2940



Tritanomaly

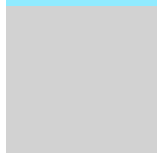
72.5017, 0.2502, 0.3069

Monochromacy



Original Color

72.5660, 0.2497, 0.3058



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.5931, 0.2857, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5660, 0.2497, 0.3058 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 235, 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, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.5660, 0.2497, 0.3058 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, 235, 255) }
```

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

```
.border{ border-color:rgb(144, 235, 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, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5660, 0.2497, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 235, 255) }
```

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

```
.background{ background-color: rgb(144,  
235, 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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