

Converting Colors

$Y_{xy}(71.9595, 0.2523, 0.3035)$

Have a look what the booklet for
Yxy(71.9595, 0.2523, 0.3035)
contains.

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Color

Yxy(72.0771, 0.2525, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	97E9FF
RGB	151, 233, 255
RGB Percent	59%, 91%, 100%
CMY	0.4081, 0.0862, 0.0000
CMYK	0.41, 0.09, 0.00, 0.00
HSL	193°, 100%, 80%
HSV	193°, 41%, 100%
XYZ	59.9455, 72.0771, 105.3855
YIQ	210.9900, -55.9340, -10.5420

Conversions

Conversions Part 2

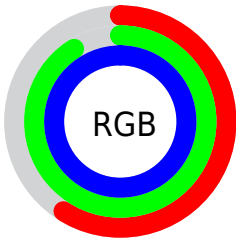
Format	Color
R_{YB}	151, 197, 255
Decimal	9955839
CIE _{Lab}	88.01, -19.51, -18.52
CIE _{LCh}	88, 26.899, 223.498
Yxy	72.0771, 0.2525, 0.3036
Android (android.graphics.Color)	4288145919 (0xFF97E9FF)
YUV	210.9900, 21.6969, -52.6112
Hunter-Lab	84.8982, -22.5354, -14.1688

Details

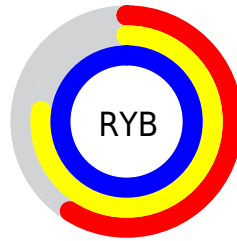
The Yxy color **72.0771, 0.2525, 0.3036** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.3495, 0.4079, 0.3524**, and the grayscale version is **65.0070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **37.9012, 0.2393, 0.2971** is the 20% darker color. If you saturate the color by 10%, you get **66.8932, 0.2401, 0.2963**, and if you desaturate by 10%, it is **77.8832, 0.2662, 0.3106**.

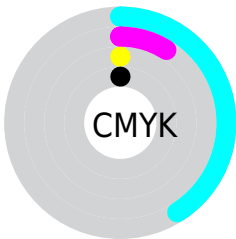
Distribution



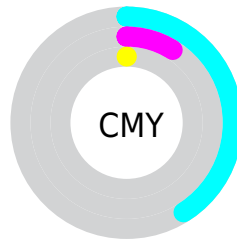
- Red (59%)
- Green (91%)
- Blue (100%)



- Red (59%)
- Yellow (77%)
- Blue (100%)



- Cyan (41%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (41%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0771, 0.2525, 0.3036 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 72.0771, 0.2525, 0.3036 by changing the saturation by 10% instead.


 72.0771, 0.2525,
0.3036


 72.0771, 0.2525,
0.3036


467.8099, 0.2797,
0.3159

 53.2217, 0.2465,
0.3007


 122.1661, 0.2618,
0.3080

 37.9798, 0.2391,
0.2970

 154.1685, 0.2655,
0.3096

 25.9670, 0.2299,
0.2923


191.3220, 0.2687,
0.3111

 16.7989, 0.2181,
0.2860

234.0110, 0.2714,
0.3123

 10.0912, 0.2026,
0.2772

282.6199, 0.2739,
0.3134

 5.4595, 0.1814,
0.2644

337.5331, 0.2760,

 2.5193, 0.1510,

0.3143

0.2439

399.1350, 0.2780,
0.3152

0.8863, 0.0876,
0.2121

0.0000, 0.0000,
0.0000

72.0771, 0.2525,
0.3036

72.0771, 0.2525,
0.3036

66.8932, 0.2401,
0.2963

77.8832, 0.2662,
0.3106

62.2940, 0.2293,
0.2887

84.3413, 0.2808,
0.3171

58.2411, 0.2203,
0.2809

91.4817, 0.2960,
0.3231

54.6894, 0.2133,
0.2730

99.3322, 0.3115,
0.3286

■ 51.5853, 0.2082,
0.2652

100.0000, 0.3127,
0.3290

■ 49.0502, 0.2050,
0.2581

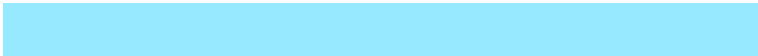
Harmonies

Analogous

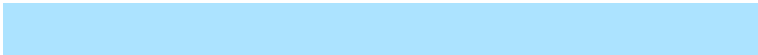
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.0771, 0.2645, 0.3332



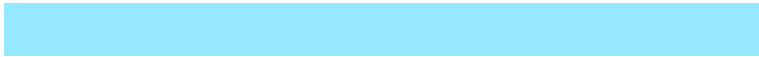
72.0771, 0.2525, 0.3036



72.0771, 0.2556, 0.2831

Triad

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



72.0771, 0.2525, 0.3036



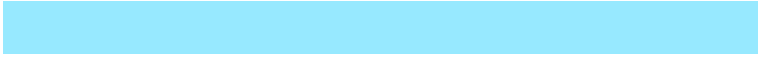
72.0771, 0.3347, 0.2978



72.0771, 0.3518, 0.3862

Complementary

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



72.0771, 0.2525, 0.3036



53.3495, 0.4079, 0.3524

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.



72.0771, 0.3726, 0.3727



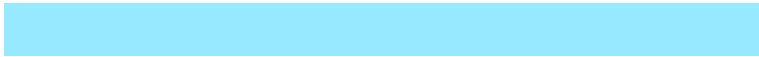
72.0771, 0.2525, 0.3036



72.0771, 0.3629, 0.3220

Square

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



72.0771, 0.2525, 0.3036



72.0771, 0.3017, 0.2811



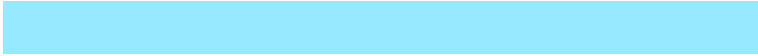
72.0771, 0.3770, 0.3490



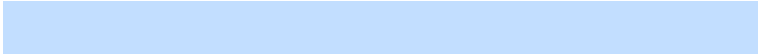
72.0771, 0.3211, 0.3834

Rectangle

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



72.0771, 0.2525, 0.3036



72.0771, 0.2658, 0.2766



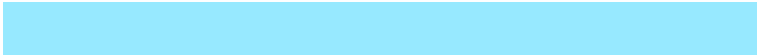
72.0771, 0.3770, 0.3490



72.0771, 0.3603, 0.3832

Sweetspot

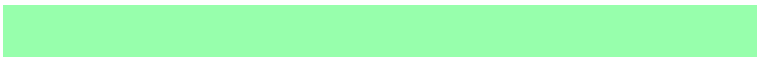
The Sweet Spot groups the original color and five complimentary colors.



72.0779, 0.2525, 0.3036



90.5953, 0.2941, 0.3224



81.0619, 0.2966, 0.4298



19.1853, 0.2921, 0.3217



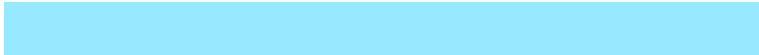
0.0000, 0.0000, 0.0000



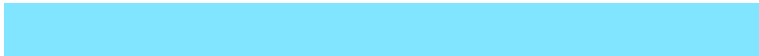
21.4041, 0.3127, 0.3290

Same Dimension

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



72.0779, 0.2525, 0.3036



67.7872, 0.2423, 0.2976



47.3121, 0.2425, 0.2413



19.7915, 0.2980, 0.3239



25.8548, 0.2054, 0.2594



2.6726, 0.2079, 0.2682

Inverse Universe

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



49.2560, 0.3361, 0.2471



42.8734, 0.3423, 0.2318



76.6856, 0.3858, 0.4030



18.2308, 0.3171, 0.3104



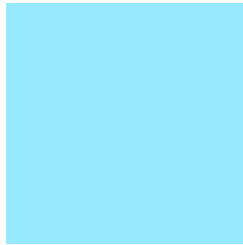
13.3380, 0.3830, 0.1883



1.3143, 0.3745, 0.1837

Previews

White Background



This preview shows how the Yxy color 72.0771, 0.2525, 0.3036 looks on a white background.

Color Contrast Check

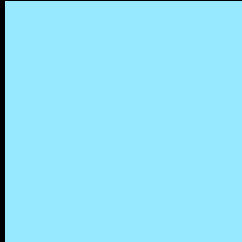
Large Text (above 18pt) WCAG AA × Fail

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 72.0771, 0.2525, 0.3036 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 72.0771, 0.2525, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 72.0771, 0.2525, 0.3036.



This preview shows how white text looks on a background with the Yxy color 72.0771, 0.2525, 0.3036.

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

72.0771, 0.2525, 0.3036

Protanopia

71.3343, 0.2940, 0.3001

Deuteranopia

71.3505, 0.2918, 0.2873



Tritanopia

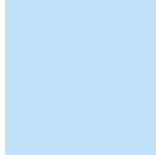
71.7901, 0.2535, 0.3069

Trichromacy



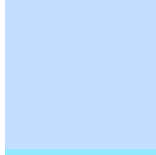
Original Color

72.0771, 0.2525, 0.3036



Protanomaly

70.8214, 0.2765, 0.3002



Deuteranomaly

71.1983, 0.2755, 0.2930



Tritanomaly

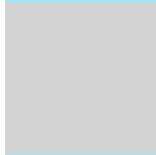
71.8537, 0.2530, 0.3058

Monochromacy



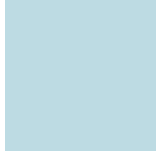
Original Color

72.0771, 0.2525, 0.3036



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.0279, 0.2871, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0771, 0.2525, 0.3036 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(151, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 233, 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(151, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.0771, 0.2525, 0.3036 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(151, 233, 255) }
```

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

```
.border{ border-color:rgb(151, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0771, 0.2525, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 233, 255) }
```

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

```
.background{ background-color: rgb(151,  
233, 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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