

Converting Colors

$Yxy(77.4315, 0.2247, 0.2306)$

Have a look what the booklet for
Yxy(77.4315, 0.2247, 0.2306)
contains.

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Color

Yxy(71.6409, 0.2556, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	9EE7FF
RGB	158, 231, 255
RGB Percent	62%, 91%, 100%
CMY	0.3802, 0.0941, 0.0000
CMYK	0.38, 0.09, 0.00, 0.00
HSL	195°, 100%, 81%
HSV	195°, 38%, 100%
XYZ	60.7344, 71.6409, 105.2397
YIQ	211.9090, -51.2120, -8.0120

Conversions

Conversions Part 2

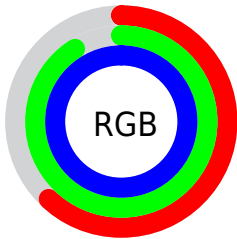
Format	Color
R_{YB}	158, 200, 255
Decimal	10414079
CIE _{Lab}	87.80, -16.73, -18.79
CIE _{LCh}	88, 25.158, 228.308
Yxy	71.6409, 0.2556, 0.3015
Android (android.graphics.Color)	4288604159 (0xFF9EE7FF)
YUV	211.9090, 21.2439, -47.2782
Hunter-Lab	84.6409, -20.0384, -14.4705

Details

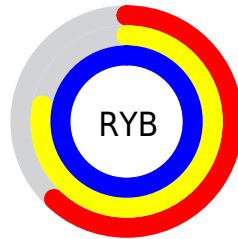
The Yxy color **71.6409, 0.2556, 0.3015** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.2105, 0.3975, 0.3545**, and the grayscale version is **65.6648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **37.5619, 0.2430, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **65.8479, 0.2424, 0.2929**, and if you desaturate by 10%, it is **78.1025, 0.2699, 0.3096**.

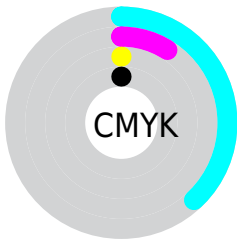
Distribution



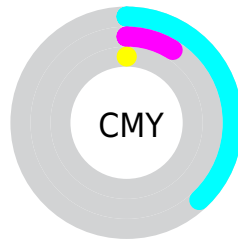
- Red (62%)
- Green (91%)
- Blue (100%)



- Red (62%)
- Yellow (78%)
- Blue (100%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6409, 0.2556, 0.3015 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 71.6409, 0.2556, 0.3015 by changing the saturation by 10% instead.


 71.6409, 0.2556,
0.3015

 71.6409, 0.2556,
0.3015

466.2907, 0.2815,
0.3147

 52.8654, 0.2498,
0.2984


 121.5458, 0.2645,
0.3062

 37.6953, 0.2428,
0.2945

 153.4441, 0.2680,
0.3080

 25.7463, 0.2340,
0.2895


190.4853, 0.2710,
0.3095

 16.6339, 0.2227,
0.2829

233.0540, 0.2736,
0.3108

 9.9738, 0.2078,
0.2738

281.5345, 0.2759,
0.3120

 5.3816, 0.1874,
0.2604

336.3112, 0.2780,

 2.4729, 0.1578,

0.3130

0.2394

397.7684, 0.2798,
0.3139

0.8630, 0.0983,
0.2061

0.0000, 0.0000,
0.0000

71.6409, 0.2556,
0.3015

71.6409, 0.2556,
0.3015

65.8479, 0.2424,
0.2929

78.1025, 0.2699,
0.3096

60.6819, 0.2306,
0.2840

85.2577, 0.2849,
0.3171

56.1067, 0.2206,
0.2747

93.1384, 0.3003,
0.3240

52.0786, 0.2125,
0.2654

100.0000, 0.3127,
0.3290

■ 48.5463, 0.2064,
0.2561

■ 45.4408, 0.2021,
0.2469

■ 44.8568, 0.2014,
0.2451

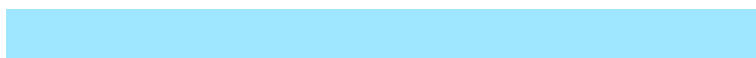
Harmonies

Analogous

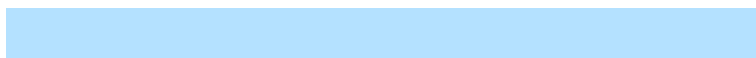
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6409, 0.2647, 0.3283



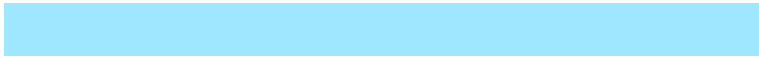
71.6409, 0.2556, 0.3015



71.6409, 0.2608, 0.2840

Triad

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



71.6409, 0.2556, 0.3015



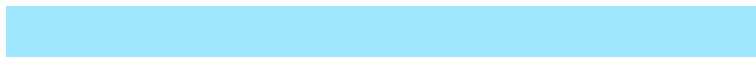
71.6409, 0.3382, 0.3030



71.6409, 0.3453, 0.3832

Complementary

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



71.6409, 0.2556, 0.3015



57.2105, 0.3975, 0.3545

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.



71.6409, 0.3667, 0.3729



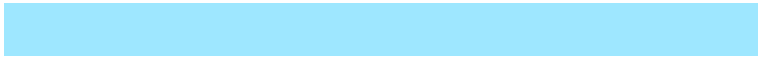
71.6409, 0.2556, 0.3015



71.6409, 0.3628, 0.3266

Square

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



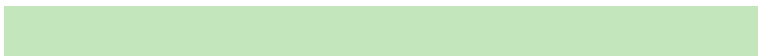
71.6409, 0.2556, 0.3015



71.6409, 0.3073, 0.2858



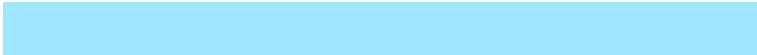
71.6409, 0.3734, 0.3519



71.6409, 0.3157, 0.3778

Rectangle

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



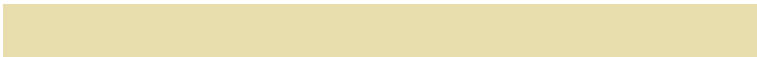
71.6409, 0.2556, 0.3015



71.6409, 0.2718, 0.2791



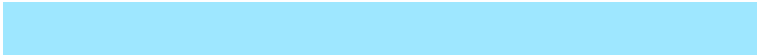
71.6409, 0.3734, 0.3519



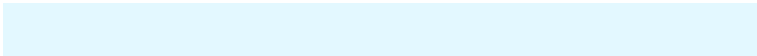
71.6409, 0.3537, 0.3814

Sweetspot

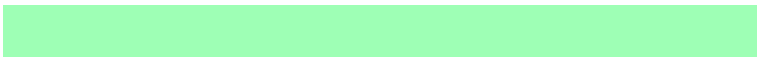
The Sweet Spot groups the original color and five complimentary colors.



71.6432, 0.2556, 0.3015



90.7110, 0.2957, 0.3220



82.1174, 0.2959, 0.4176



19.1843, 0.2936, 0.3211



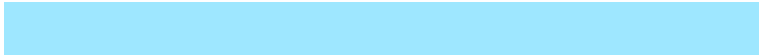
0.0000, 0.0000, 0.0000



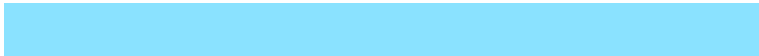
21.4041, 0.3127, 0.3290

Same Dimension

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



71.6432, 0.2556, 0.3015



66.9657, 0.2450, 0.2947



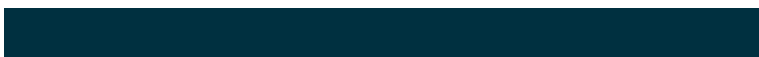
48.7364, 0.2471, 0.2444



19.6747, 0.2980, 0.3230



23.6868, 0.2018, 0.2466



2.4783, 0.2048, 0.2571

Inverse Universe

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



51.5012, 0.3372, 0.2558



44.8395, 0.3440, 0.2410



79.8508, 0.3790, 0.4010



18.2190, 0.3176, 0.3113



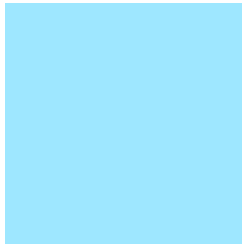
13.1192, 0.3956, 0.1953



1.2947, 0.3852, 0.1896

Previews

White Background



This preview shows how the Yxy color 71.6409, 0.2556, 0.3015 looks on a white background.

Color Contrast Check

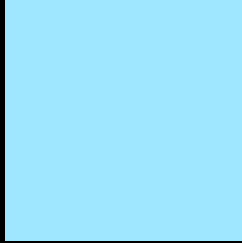
Large Text (above 18pt) WCAG AA × Fail

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 71.6409, 0.2556, 0.3015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

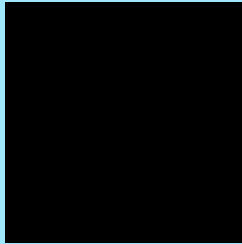
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6409, 0.2556, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 71.6409, 0.2556, 0.3015.

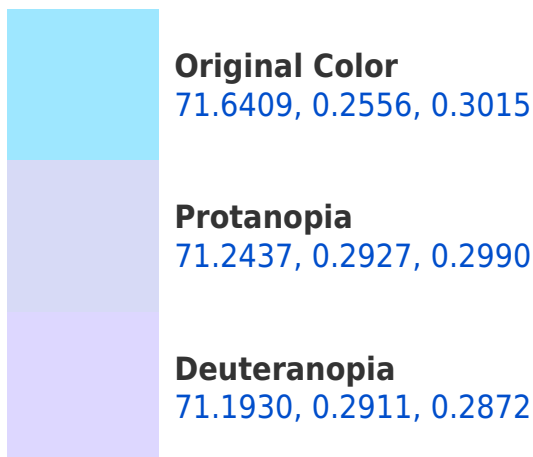


This preview shows how white text looks on a background with the Yxy color 71.6409, 0.2556, 0.3015.

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

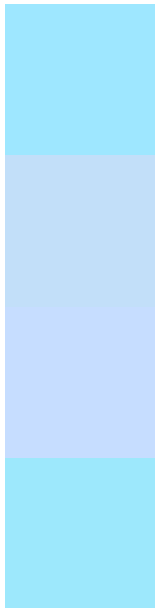




Tritanopia

71.7835, 0.2577, 0.3082

Trichromacy



Original Color

71.6409, 0.2556, 0.3015

Protanomaly

71.0842, 0.2777, 0.3003

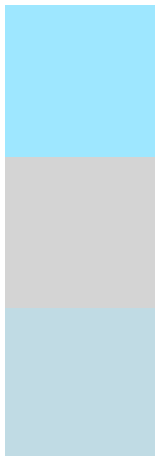
Deuteranomaly

70.9387, 0.2766, 0.2921

Tritanomaly

71.9096, 0.2567, 0.3059

Monochromacy



Original Color

71.6409, 0.2556, 0.3015

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.4709, 0.2884, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6409, 0.2556, 0.3015 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(158, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 231, 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(158, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.6409, 0.2556, 0.3015 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(158, 231, 255) }
```

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

```
.border{ border-color:rgb(158, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6409, 0.2556, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 231, 255) }
```

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

```
.background{ background-color: rgb(158,  
231, 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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