

Converting Colors

$Y_{xy}(72.0175, 0.2582, 0.3014)$

Have a look what the booklet for
Yxy(72.0175, 0.2582, 0.3014)
contains.

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Color

Yxy(72.1584, 0.2581, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	A3E7FF
RGB	163, 231, 255
RGB Percent	64%, 91%, 100%
CMY	0.3608, 0.0941, 0.0000
CMYK	0.36, 0.09, 0.00, 0.00
HSL	196°, 100%, 82%
HSV	196°, 36%, 100%
XYZ	61.7305, 72.1584, 105.2838
YIQ	213.4040, -48.2320, -6.9520

Conversions

Conversions Part 2

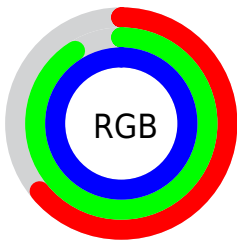
Format	Color
R _Y B	163, 202, 255
Decimal	10741759
CIE Lab	88.04, -15.47, -18.38
CIE LCh	88, 24.025, 229.926
Yxy	72.1584, 0.2581, 0.3017
Android (android.graphics.Color)	4288931839 (0xFFA3E7FF)
YUV	213.4040, 20.5068, -44.2043
Hunter-Lab	84.9461, -18.9394, -14.0229

Details

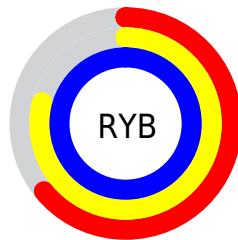
The Yxy color **72.1584, 0.2581, 0.3017** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.4453, 0.3912, 0.3544**, and the grayscale version is **66.7102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **37.8630, 0.2458, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **66.0821, 0.2445, 0.2927**, and if you desaturate by 10%, it is **78.9241, 0.2726, 0.3101**.

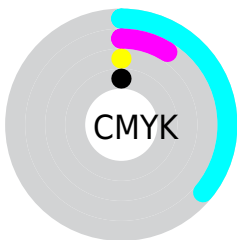
Distribution



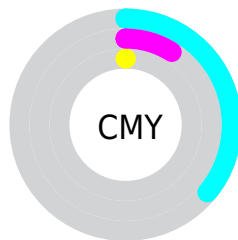
- Red (64%)
- Green (91%)
- Blue (100%)



- Red (64%)
- Yellow (79%)
- Blue (100%)



- Cyan (36%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1584, 0.2581, 0.3017 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 72.1584, 0.2581, 0.3017 by changing the saturation by 10% instead.


 72.1584, 0.2581,
0.3017


 72.1584, 0.2581,
0.3017


468.0927, 0.2829,
0.3148

 53.2881, 0.2526,
0.2986


 122.2817, 0.2666,
0.3063

 38.0328, 0.2458,
0.2948


 154.3035, 0.2699,
0.3081

 26.0081, 0.2374,
0.2899

191.4779, 0.2728,
0.3096

 16.8297, 0.2266,
0.2835

234.1893, 0.2753,
0.3109

 10.1132, 0.2124,
0.2746

282.8220, 0.2775,
0.3120

 5.4741, 0.1927,
0.2616

337.7606, 0.2795,

 2.5280, 0.1641,

0.3131

0.2412

399.3894, 0.2813,
0.3140

0.8906, 0.1097,
0.2083

0.0000, 0.0000,
0.0000

72.1584, 0.2581,
0.3017

72.1584, 0.2581,
0.3017

66.0821, 0.2445,
0.2927

78.9241, 0.2726,
0.3101

60.6530, 0.2323,
0.2833

86.4029, 0.2878,
0.3179

55.8357, 0.2217,
0.2736

94.6268, 0.3033,
0.3250

51.5876, 0.2130,
0.2637

100.0000, 0.3127,
0.3290

■ 47.8588, 0.2063,
0.2538

■ 44.5879, 0.2016,
0.2441

■ 43.3945, 0.2001,
0.2403

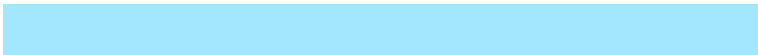
Harmonies

Analogous

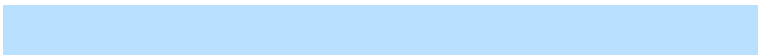
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1584, 0.2661, 0.3269



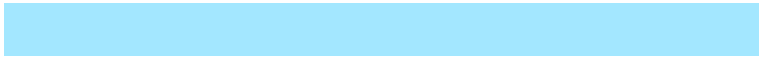
72.1584, 0.2581, 0.3017



72.1584, 0.2638, 0.2855

Triad

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



72.1584, 0.2581, 0.3017



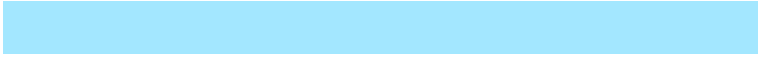
72.1584, 0.3385, 0.3052



72.1584, 0.3424, 0.3807

Complementary

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



72.1584, 0.2581, 0.3017



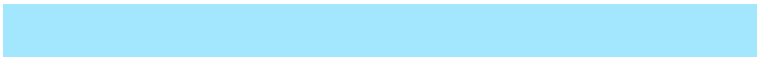
59.4453, 0.3912, 0.3544

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.



72.1584, 0.3634, 0.3718



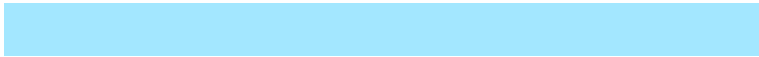
72.1584, 0.2581, 0.3017



72.1584, 0.3614, 0.3281

Square

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



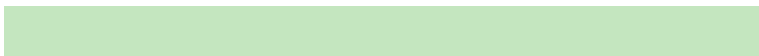
72.1584, 0.2581, 0.3017



72.1584, 0.3092, 0.2884



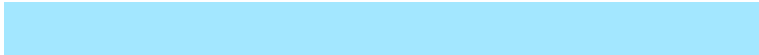
72.1584, 0.3706, 0.3522



72.1584, 0.3141, 0.3747

Rectangle

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



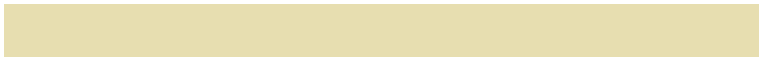
72.1584, 0.2581, 0.3017



72.1584, 0.2747, 0.2812



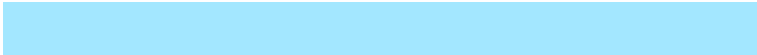
72.1584, 0.3706, 0.3522



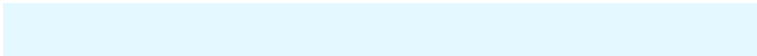
72.1584, 0.3506, 0.3793

Sweetspot

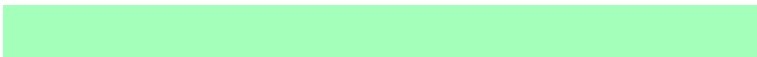
The Sweet Spot groups the original color and five complimentary colors.



72.1610, 0.2581, 0.3017



90.4831, 0.2957, 0.3216



82.8523, 0.2959, 0.4104



19.1298, 0.2936, 0.3206



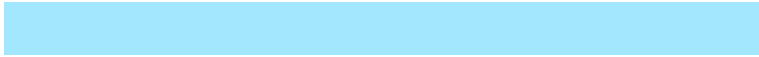
0.0000, 0.0000, 0.0000



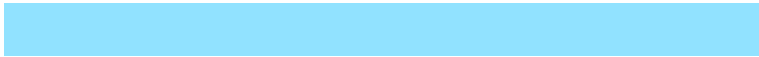
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1610, 0.2581, 0.3017



67.8816, 0.2486, 0.2956



50.1261, 0.2505, 0.2476



19.6323, 0.2980, 0.3227



22.9301, 0.2005, 0.2419



2.4101, 0.2036, 0.2530

Inverse Universe

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



53.2256, 0.3367, 0.2606



47.1309, 0.3427, 0.2478



81.6183, 0.3748, 0.3987



18.2147, 0.3178, 0.3116



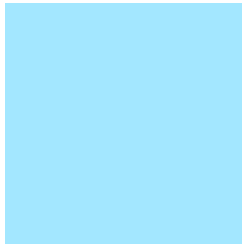
13.0428, 0.4004, 0.1979



1.2878, 0.3893, 0.1918

Previews

White Background



This preview shows how the Yxy color 72.1584, 0.2581, 0.3017 looks on a white background.

Color Contrast Check

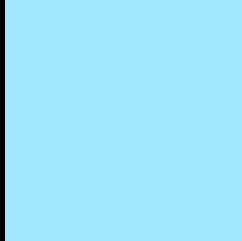
Large Text (above 18pt) WCAG AA × Fail

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 72.1584, 0.2581, 0.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

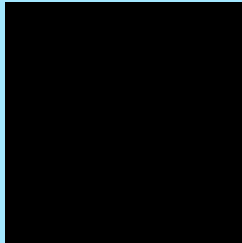
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1584, 0.2581, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 72.1584, 0.2581, 0.3017.



This preview shows how white text looks on a background with the Yxy color 72.1584, 0.2581, 0.3017.

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

72.1584, 0.2581, 0.3017

Protanopia

71.4571, 0.2927, 0.2981

Deuteranopia

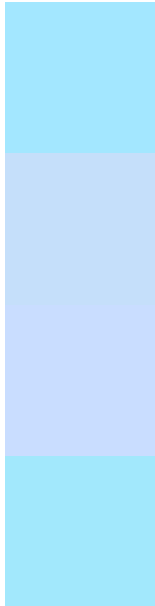
71.5089, 0.2925, 0.2873



Tritanopia

72.2967, 0.2602, 0.3083

Trichromacy



Original Color

72.1584, 0.2581, 0.3017

Protanomaly

71.5478, 0.2790, 0.2994

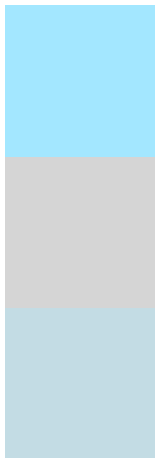
Deuteranomaly

71.3504, 0.2785, 0.2923

Tritanomaly

72.4229, 0.2592, 0.3061

Monochromacy



Original Color

72.1584, 0.2581, 0.3017

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.3899, 0.2904, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1584, 0.2581, 0.3017 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(163, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.1584, 0.2581, 0.3017 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(163, 231, 255) }
```

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

```
.border{ border-color:rgb(163, 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(163, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1584, 0.2581, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 231, 255) }
```

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

```
.background{ background-color: rgb(163,  
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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