

Converting Colors

$Yxy(78.4958, 0.2313, 0.2365)$

Have a look what the booklet for
Yxy(78.4958, 0.2313, 0.2365)
contains.

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Color

Yxy(72.9179, 0.2617, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	AAE7FF
RGB	170, 231, 255
RGB Percent	67%, 91%, 100%
CMY	0.3337, 0.0940, 0.0000
CMYK	0.33, 0.09, 0.00, 0.00
HSL	197°, 100%, 83%
HSV	197°, 33%, 100%
XYZ	63.1875, 72.9179, 105.3446
YIQ	215.4970, -44.0600, -5.4680

Conversions

Conversions Part 2

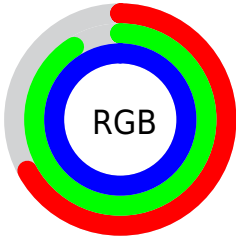
Format	Color
R _Y B	170, 206, 255
Decimal	11200511
CIE Lab	88.41, -13.65, -17.79
CIE LCh	88, 22.430, 232.501
Yxy	72.9179, 0.2617, 0.3020
Android (android.graphics.Color)	4289390591 (0xFFAAE7FF)
YUV	215.4970, 19.4750, -39.9009
Hunter-Lab	85.3920, -17.3514, -13.3693

Details

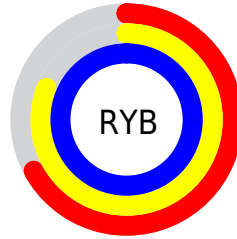
The Yxy color **72.9179, 0.2617, 0.3020** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6877, 0.3829, 0.3543**, and the grayscale version is **68.1870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **38.3820, 0.2505, 0.2950** is the 20% darker color. If you saturate the color by 10%, you get **66.4114, 0.2476, 0.2924**, and if you desaturate by 10%, it is **80.1462, 0.2766, 0.3109**.

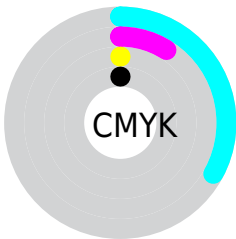
Distribution



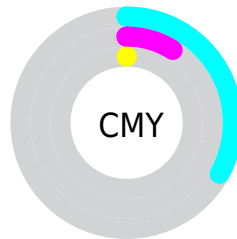
- Red (67%)
- Green (91%)
- Blue (100%)



- Red (67%)
- Yellow (81%)
- Blue (100%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9179, 0.2617, 0.3020 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 72.9179, 0.2617, 0.3020 by changing the saturation by 10% instead.

72.9179, 0.2617,
0.3020

72.9179, 0.2617,
0.3020

470.7302, 0.2848,
0.3148

53.9088, 0.2565,
0.2990

123.3607, 0.2696,
0.3065

38.5288, 0.2502,
0.2953

155.5631, 0.2727,
0.3082

26.3933, 0.2424,
0.2905

192.9322, 0.2754,
0.3097

17.1181, 0.2323,
0.2843

235.8522, 0.2778,
0.3110

10.3188, 0.2189,
0.2757

284.7077, 0.2799,
0.3121

5.6108, 0.2004,
0.2632

339.8829, 0.2817,

2.6099, 0.1734,

0.3131

0.2437

401.7623, 0.2834,
0.3140

■ 0.9316, 0.1252,
0.2115

■ 0.0000, 0.0000,
0.0000

■ 72.9179, 0.2617,
0.3020

■ 72.9179, 0.2617,
0.3020

■ 66.4114, 0.2476,
0.2924

■ 80.1462, 0.2766,
0.3109

■ 60.5841, 0.2347,
0.2823

■ 88.1191, 0.2920,
0.3192

■ 55.4017, 0.2233,
0.2718

■ 96.8686, 0.3075,
0.3267

■ 50.8224, 0.2138,
0.2611

■ 99.9995, 0.3127,
0.3290

■ 46.7982, 0.2062,
0.2503

■ 43.2711, 0.2007,
0.2397

■ 41.1513, 0.1980,
0.2327

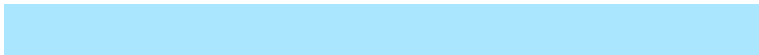
Harmonies

Analogous

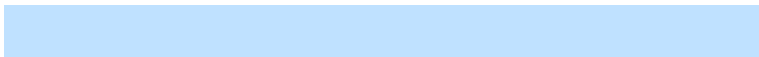
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9179, 0.2681, 0.3250



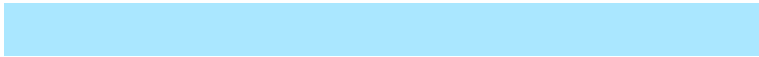
72.9179, 0.2617, 0.3020



72.9179, 0.2681, 0.2877

Triad

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



72.9179, 0.2617, 0.3020



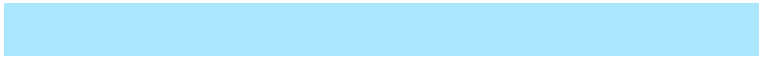
72.9179, 0.3389, 0.3085



72.9179, 0.3383, 0.3771

Complementary

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



72.9179, 0.2617, 0.3020



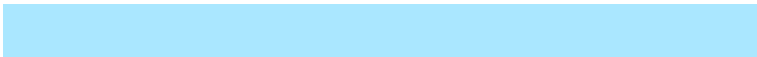
62.6877, 0.3829, 0.3543

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.



72.9179, 0.3586, 0.3701



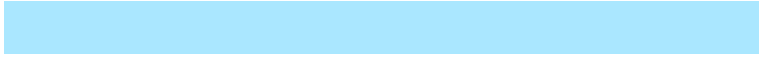
72.9179, 0.2617, 0.3020



72.9179, 0.3592, 0.3302

Square

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



72.9179, 0.2617, 0.3020



72.9179, 0.3119, 0.2921



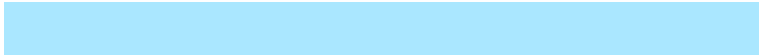
72.9179, 0.3665, 0.3526



72.9179, 0.3117, 0.3702

Rectangle

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



72.9179, 0.2617, 0.3020



72.9179, 0.2790, 0.2842



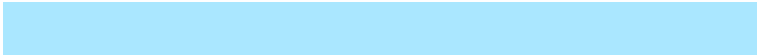
72.9179, 0.3665, 0.3526



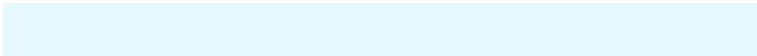
72.9179, 0.3462, 0.3762

Sweetspot

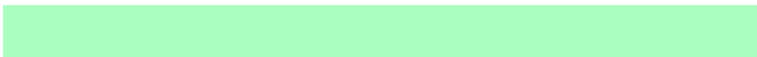
The Sweet Spot groups the original color and five complimentary colors.



72.9208, 0.2617, 0.3020



90.9822, 0.2972, 0.3218



83.8839, 0.2963, 0.4015



19.2163, 0.2950, 0.3207



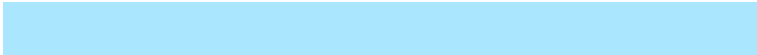
0.0000, 0.0000, 0.0000



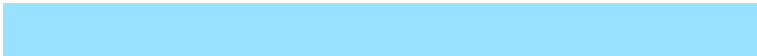
21.4041, 0.3127, 0.3290

Same Dimension

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



72.9208, 0.2617, 0.3020



68.5292, 0.2522, 0.2957



52.4801, 0.2554, 0.2531



19.5656, 0.2980, 0.3221



21.7698, 0.1985, 0.2344



2.3050, 0.2018, 0.2465

Inverse Universe

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



55.7455, 0.3359, 0.2674



49.5480, 0.3420, 0.2552



83.6546, 0.3692, 0.3948



18.2080, 0.3181, 0.3121



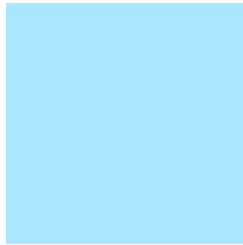
12.9256, 0.4080, 0.2021



1.2772, 0.3957, 0.1954

Previews

White Background



This preview shows how the Yxy color 72.9179, 0.2617, 0.3020 looks on a white background.

Color Contrast Check

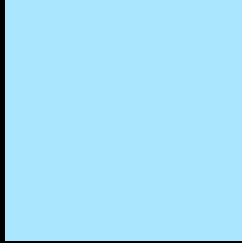
Large Text (above 18pt) WCAG AA × Fail

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 72.9179, 0.2617, 0.3020 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 72.9179, 0.2617, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 72.9179, 0.2617, 0.3020.

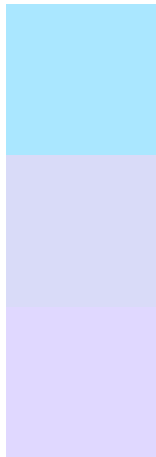


This preview shows how white text looks on a background with the Yxy color 72.9179, 0.2617, 0.3020.

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

72.9179, 0.2617, 0.3020

Protanopia

72.1921, 0.2928, 0.2982

Deuteranopia

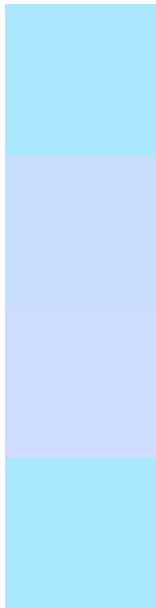
72.1790, 0.2932, 0.2885



Tritanopia

73.0504, 0.2639, 0.3085

Trichromacy



Original Color

72.9179, 0.2617, 0.3020

Protanomaly

72.0197, 0.2803, 0.2985

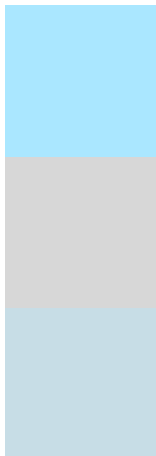
Deuteranomaly

71.7703, 0.2804, 0.2924

Tritanomaly

73.1765, 0.2629, 0.3063

Monochromacy



Original Color

72.9179, 0.2617, 0.3020

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.5682, 0.2919, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9179, 0.2617, 0.3020 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(170, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.9179, 0.2617, 0.3020 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(170, 231, 255) }
```

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

```
.border{ border-color:rgb(170, 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(170, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 231, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 231, 255); box-shadow:4px 4px 4px 4px rgb(170, 231, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9179, 0.2617, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 231, 255) }
```

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

```
.background{ background-color: rgb(170,  
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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