

Converting Colors

$Yxy(72.2444, 0.2652, 0.3020)$

Have a look what the booklet for
Yxy(72.2444, 0.2652, 0.3020)
contains.

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Color

$\text{Yxy}(72.2444, 0.2652, 0.3020)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | AFE5FD |
| RGB | 175, 229, 253 |
| RGB Percent | 69%, 90%, 99% |
| CMY | 0.3134, 0.1020, 0.0078 |
| CMYK | 0.31, 0.09, 0.00, 0.01 |
| HSL | 198°, 95%, 84% |
| HSV | 198°, 31%, 99% |
| XYZ | 63.4411, 72.2444, 103.5344 |
| YIQ | 215.5900, -39.8880, -3.9840 |

Conversions

Conversions Part 2

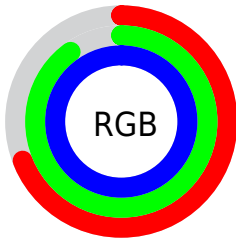
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 175, 207, 253 |
| Decimal | 11527677 |
| CIE _{Lab} | 88.09, -11.68, -17.21 |
| CIE _{LCh} | 88, 20.801, 235.835 |
| Y _{xy} | 72.2444, 0.2652, 0.3020 |
| Android (android.graphics.Color) | 4289717757 (0xFFAFE5FD) |
| YUV | 215.5900, 18.4431, -35.5974 |
| Hunter-Lab | 84.9967, -15.5127, -12.7234 |

Details

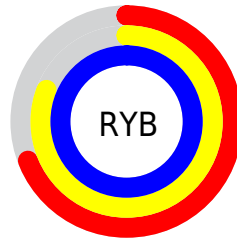
The Yxy color **72.2444, 0.2652, 0.3020** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.8733, 0.3753, 0.3544**, and the grayscale version is **68.2801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **38.2507, 0.2547, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **65.3685, 0.2506, 0.2916**, and if you desaturate by 10%, it is **79.8684, 0.2804, 0.3116**.

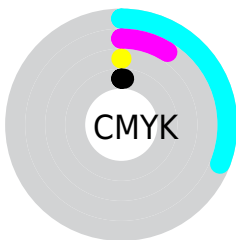
Distribution



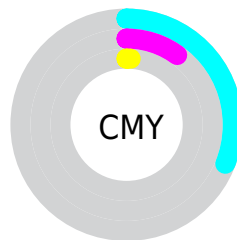
- Red (69%)
- Green (90%)
- Blue (99%)



- Red (69%)
- Yellow (81%)
- Blue (99%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)





- Cyan (31%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2444, 0.2652, 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 72.2444, 0.2652, 0.3020 by changing the saturation by 10% instead.


 72.2444, 0.2652,
0.3020

 72.2444, 0.2652,
0.3020


468.3918, 0.2868,
0.3148

 53.3583, 0.2604,
0.2990


 122.4039, 0.2726,
0.3065

 38.0889, 0.2544,
0.2953

154.4462, 0.2755,
0.3082

 26.0517, 0.2470,
0.2906


191.6427, 0.2781,
0.3097

 16.8623, 0.2375,
0.2844

234.3778, 0.2803,
0.3110

 10.1364, 0.2248,
0.2759

283.0358, 0.2822,
0.3121

 5.4895, 0.2071,
0.2636

338.0012, 0.2839,

 2.5372, 0.1811,

0.3131

0.2442

399.6584, 0.2854,
0.3140

0.8952, 0.1341,
0.2122

0.0000, 0.0000,
0.0000

72.2444, 0.2652,
0.3020

72.2444, 0.2652,
0.3020

65.3685, 0.2506,
0.2916

79.8684, 0.2804,
0.3116

59.1989, 0.2371,
0.2807

88.2627, 0.2959,
0.3204

53.7022, 0.2249,
0.2692

97.4589, 0.3115,
0.3284

48.8381, 0.2145,
0.2574

99.8723, 0.3139,
0.3309

■ 44.5608, 0.2060,
0.2455

■ 40.8156, 0.1996,
0.2337

■ 37.7628, 0.1953,
0.2230

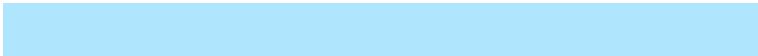
Harmonies

Analogous

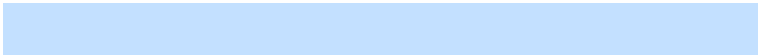
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2444, 0.2699, 0.3227



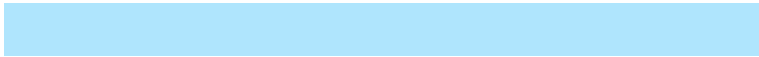
72.2444, 0.2652, 0.3020



72.2444, 0.2725, 0.2896

Triad

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



72.2444, 0.2652, 0.3020



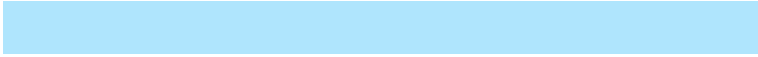
72.2444, 0.3396, 0.3120



72.2444, 0.3340, 0.3736

Complementary

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



72.2444, 0.2652, 0.3020



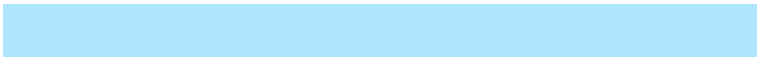
64.8733, 0.3753, 0.3544

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.



72.2444, 0.3539, 0.3686



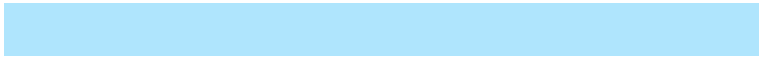
72.2444, 0.2652, 0.3020



72.2444, 0.3574, 0.3326

Square

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



72.2444, 0.2652, 0.3020



72.2444, 0.3149, 0.2959



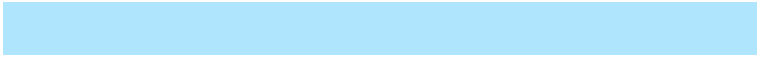
72.2444, 0.3626, 0.3532



72.2444, 0.3090, 0.3656

Rectangle

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



72.2444, 0.2652, 0.3020



72.2444, 0.2834, 0.2872



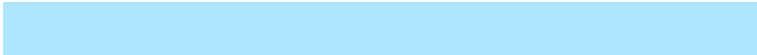
72.2444, 0.3626, 0.3532



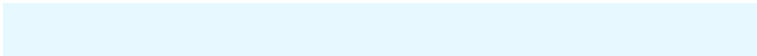
72.2444, 0.3415, 0.3733

Sweetspot

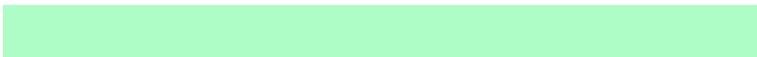
The Sweet Spot groups the original color and five complimentary colors.



72.2473, 0.2652, 0.3020



91.4738, 0.2987, 0.3219



83.4764, 0.2961, 0.3918



19.2976, 0.2965, 0.3207



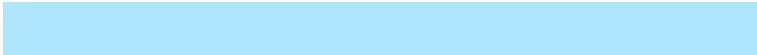
0.0000, 0.0000, 0.0000



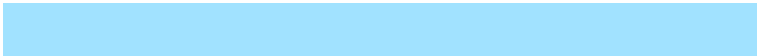
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2473, 0.2652, 0.3020



69.1100, 0.2560, 0.2957



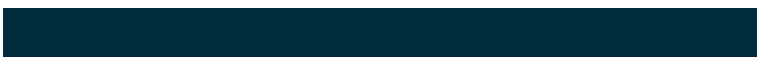
53.3300, 0.2599, 0.2568



19.4811, 0.2980, 0.3215



20.3577, 0.1958, 0.2249



2.1763, 0.1995, 0.2382

Inverse Universe

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



57.2304, 0.3354, 0.2742



52.1142, 0.3414, 0.2630



84.7949, 0.3637, 0.3921



18.1994, 0.3186, 0.3127



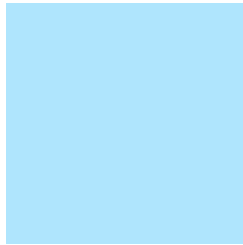
12.7831, 0.4180, 0.2076



1.2642, 0.4041, 0.2000

Previews

White Background



This preview shows how the Yxy color 72.2444, 0.2652, 0.3020 looks on a white background.

Color Contrast Check

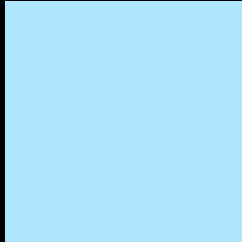
Large Text (above 18pt) WCAG AA × Fail

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 72.2444, 0.2652, 0.3020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

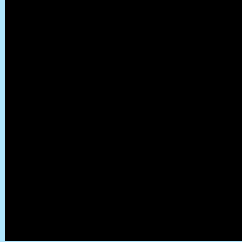
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

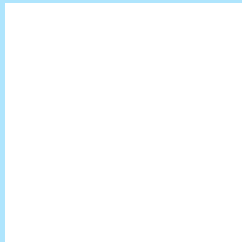
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2444, 0.2652, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 72.2444, 0.2652, 0.3020.

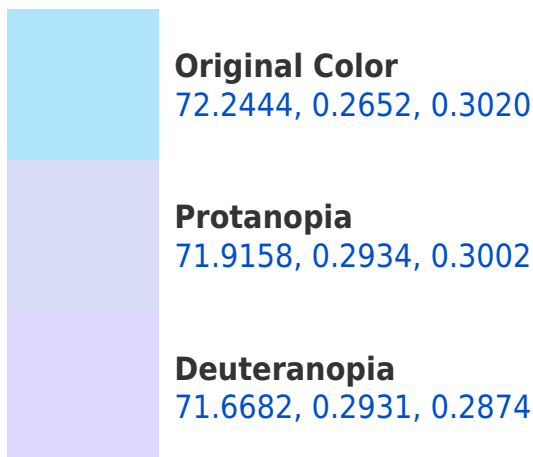


This preview shows how white text looks on a background with the Yxy color 72.2444, 0.2652, 0.3020.

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

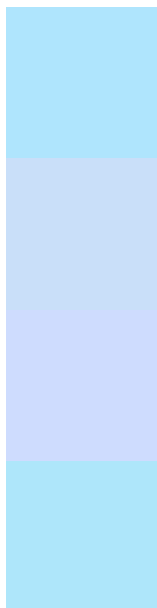




Tritanopia

72.3696, 0.2673, 0.3086

Trichromacy



Original Color

72.2444, 0.2652, 0.3020

Protanomaly

72.0324, 0.2821, 0.3007

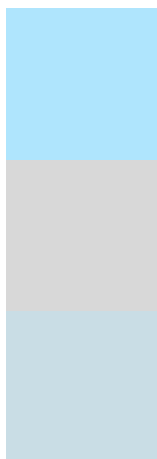
Deuteranomaly

71.4640, 0.2821, 0.2925

Tritanomaly

72.4944, 0.2663, 0.3064

Monochromacy



Original Color

72.2444, 0.2652, 0.3020

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.7876, 0.2938, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2444, 0.2652, 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(175, 229, 253)` looks like.

```
.text, #text, p{  
    color:rgb(175, 229, 253)  
}
```

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(175, 229, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 229, 253) }
```

Border

The CSS property to change the border of an element to Yxy 72.2444, 0.2652, 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(175, 229, 253) }
```

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

```
.border{ border-color:rgb(175, 229, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 229, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 229, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 229, 253);  
box-shadow:4px 4px 4px 4px rgb(175, 229,  
253) }
```


Background

The CSS property to change the background color of an element to `rgb(72.2444, 0.2652, 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(175, 229, 253) }
```

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

```
.background{ background-color: rgb(175,  
229, 253) }
```

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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