

Converting Colors

$Y_{xy}(72.2858, 0.2736, 0.3032)$

Have a look what the booklet for
Yxy(72.2858, 0.2736, 0.3032)
contains.

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Color

Yxy(72.4051, 0.2733, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	BBE3FA
RGB	187, 227, 250
RGB Percent	73%, 89%, 98%
CMY	0.2670, 0.1097, 0.0197
CMYK	0.25, 0.09, 0.00, 0.02
HSL	202°, 86%, 86%
HSV	202°, 25%, 98%
XYZ	65.2004, 72.4051, 100.9616
YIQ	217.6620, -31.2230, -1.3270

Conversions

Conversions Part 2

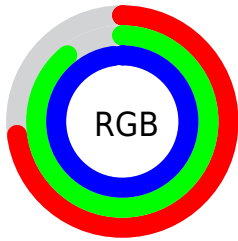
Format	Color
RYB	187, 211, 250
Decimal	12313594
CIELab	88.16, -8.01, -15.44
CIElCh	88, 17.391, 242.570
Yxy	72.4051, 0.2733, 0.3035
Android (android.graphics.Color)	4290503674 (0xFFBBE3FA)
YUV	217.6620, 15.9426, -26.8906
Hunter-Lab	85.0912, -12.1355, -10.7844

Details

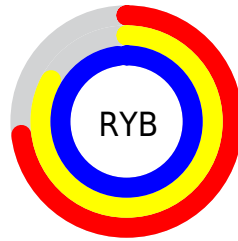
The Yxy color **72.4051, 0.2733, 0.3035** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9356, 0.3605, 0.3531**, and the grayscale version is **69.7623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **38.3056, 0.2637, 0.2971** is the 20% darker color. If you saturate the color by 10%, you get **64.6790, 0.2579, 0.2917**, and if you desaturate by 10%, it is **80.9488, 0.2890, 0.3144**.

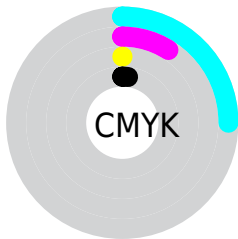
Distribution



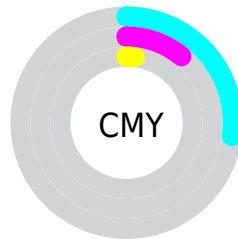
- Red (73%)
- Green (89%)
- Blue (98%)



- Red (73%)
- Yellow (83%)
- Blue (98%)



- Cyan (25%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (27%)
- Magenta (11%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4051, 0.2733, 0.3035 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 72.4051, 0.2733, 0.3035 by changing the saturation by 10% instead.

■ 72.4051, 0.2733,
0.3035

■ 72.4051, 0.2733,
0.3035

468.9504, 0.2913,
0.3155

■ 53.4897, 0.2692,
0.3007

■ 122.6323, 0.2795,
0.3077

■ 38.1938, 0.2643,
0.2973

154.7129, 0.2819,
0.3093

■ 26.1331, 0.2580,
0.2930

191.9506, 0.2840,
0.3107

■ 16.9233, 0.2500,
0.2872

234.7298, 0.2858,
0.3119

■ 10.1798, 0.2392,
0.2794

283.4351, 0.2875,
0.3129

■ 5.5183, 0.2240,
0.2681

338.4506, 0.2889,

■ 2.5545, 0.2013,

0.3139

0.2505

400.1609, 0.2902,
0.3147

0.9038, 0.1618,
0.2204

0.0000, 0.0000,
0.0000

72.4051, 0.2733,
0.3035

72.4051, 0.2733,
0.3035

64.6790, 0.2579,
0.2917

80.9488, 0.2890,
0.3144

57.7293, 0.2431,
0.2789

90.3316, 0.3046,
0.3242

51.5237, 0.2294,
0.2655

99.2495, 0.3157,
0.3332

46.0238, 0.2171,
0.2515

99.6807, 0.3156,
0.3338

■ 41.1865, 0.2067,
0.2373

■ 36.9623, 0.1983,
0.2232

■ 33.2909, 0.1921,
0.2093

■ 31.6922, 0.1897,
0.2027

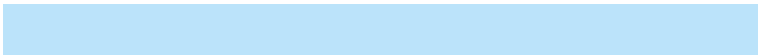
Harmonies

Analogous

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



72.4051, 0.2750, 0.3196



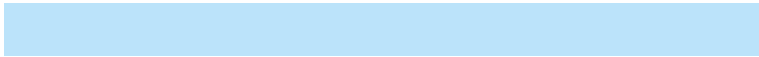
72.4051, 0.2733, 0.3035



72.4051, 0.2817, 0.2948

Triad

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



72.4051, 0.2733, 0.3035



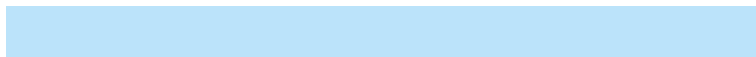
72.4051, 0.3392, 0.3185



72.4051, 0.3262, 0.3655

Complementary

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



72.4051, 0.2733, 0.3035



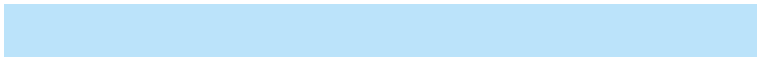
69.9356, 0.3605, 0.3531

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.



72.4051, 0.3441, 0.3639



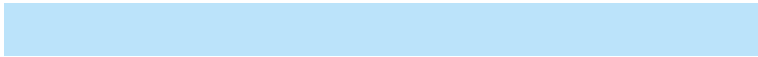
72.4051, 0.2733, 0.3035



72.4051, 0.3519, 0.3363

Square

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



72.4051, 0.2733, 0.3035



72.4051, 0.3194, 0.3037



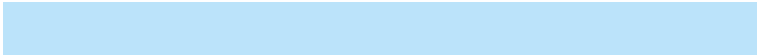
72.4051, 0.3537, 0.3529



72.4051, 0.3051, 0.3565

Rectangle

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



72.4051, 0.2733, 0.3035



72.4051, 0.2921, 0.2940



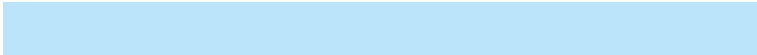
72.4051, 0.3537, 0.3529



72.4051, 0.3328, 0.3662

Sweetspot

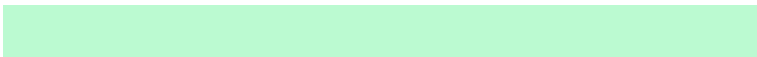
The Sweet Spot groups the original color and five complimentary colors.



72.4080, 0.2733, 0.3035



91.6876, 0.3003, 0.3216



83.5151, 0.2972, 0.3751



19.3043, 0.2980, 0.3201



0.0000, 0.0000, 0.0000



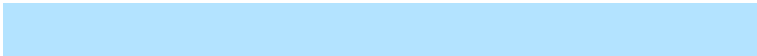
21.4041, 0.3127, 0.3290

Same Dimension

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



72.4080, 0.2733, 0.3035



71.7668, 0.2658, 0.2979



57.1079, 0.2701, 0.2680



18.4839, 0.2980, 0.3202



17.0974, 0.1903, 0.2050



1.7851, 0.1949, 0.2215

Inverse Universe

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



61.3753, 0.3332, 0.2879



58.8547, 0.3382, 0.2797



86.5305, 0.3531, 0.3834



17.4111, 0.3194, 0.3140



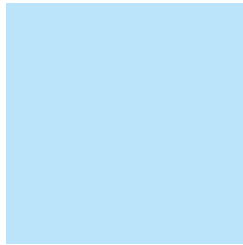
12.1369, 0.4397, 0.2196



1.1444, 0.4217, 0.2097

Previews

White Background



This preview shows how the Yxy color 72.4051, 0.2733, 0.3035 looks on a white background.

Color Contrast Check

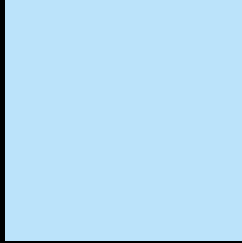
Large Text (above 18pt) WCAG AA × Fail

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 72.4051, 0.2733, 0.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

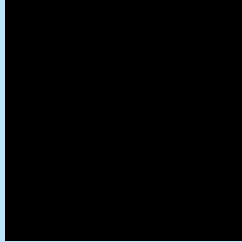
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

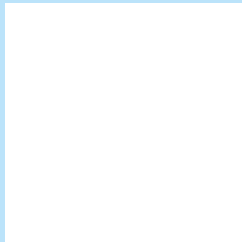
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4051, 0.2733, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 72.4051, 0.2733, 0.3035.



This preview shows how white text looks on a background with the Yxy color 72.4051, 0.2733, 0.3035.

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

72.4051, 0.2733, 0.3035

Protanopia

72.0073, 0.2947, 0.3013

Deuteranopia

71.9600, 0.2970, 0.2906



Tritanopia

72.5797, 0.2750, 0.3089

Trichromacy



Original Color

72.4051, 0.2733, 0.3035

Protanomaly

72.0798, 0.2863, 0.3019

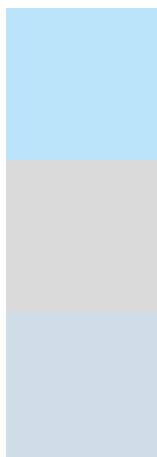
Deuteranomaly

71.6251, 0.2877, 0.2948

Tritanomaly

72.6413, 0.2745, 0.3078

Monochromacy



Original Color

72.4051, 0.2733, 0.3035

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.6915, 0.2973, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4051, 0.2733, 0.3035 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(187, 227, 250)` looks like.

```
.text, #text, p{  
    color:rgb(187, 227, 250)  
}
```

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(187, 227, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 227, 250) }
```

Border

The CSS property to change the border of an element to Yxy 72.4051, 0.2733, 0.3035 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(187, 227, 250) }
```

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

```
.border{ border-color:rgb(187, 227, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 227, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 227, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 227, 250);  
box-shadow:4px 4px 4px 4px rgb(187, 227,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4051, 0.2733, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 227, 250) }
```

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

```
.background{ background-color: rgb(187,  
227, 250) }
```

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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