

Converting Colors

$Yxy(72.5070, 0.2660, 0.2995)$

Have a look what the booklet for
Yxy(72.5070, 0.2660, 0.2995)
contains.

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Color

Yxy(72.7236, 0.2658, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	B2E5FF
RGB	178, 229, 255
RGB Percent	70%, 90%, 100%
CMY	0.3019, 0.1020, 0.0000
CMYK	0.30, 0.10, 0.00, 0.00
HSL	200°, 100%, 85%
HSV	200°, 30%, 100%
XYZ	64.4331, 72.7236, 105.2553
YIQ	216.7150, -38.7420, -2.7260

Conversions

Conversions Part 2

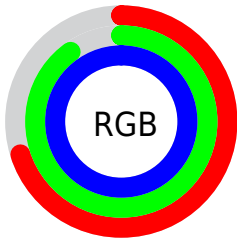
Format	Color
R _Y B	178, 209, 255
Decimal	11724287
CIE Lab	88.32, -10.41, -17.90
CIE LCh	88, 20.704, 239.829
Yxy	72.7236, 0.2658, 0.3000
Android (android.graphics.Color)	4289914367 (0xFFB2E5FF)
YUV	216.7150, 18.8745, -33.9531
Hunter-Lab	85.2781, -14.3685, -13.4845

Details

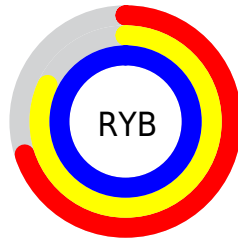
The Yxy color **72.7236, 0.2658, 0.3000** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.6701, 0.3730, 0.3562**, and the grayscale version is **69.0746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **38.5603, 0.2554, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **65.3357, 0.2509, 0.2886**, and if you desaturate by 10%, it is **80.9133, 0.2813, 0.3105**.

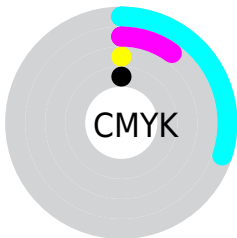
Distribution



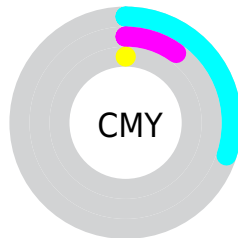
- Red (70%)
- Green (90%)
- Blue (100%)



- Red (70%)
- Yellow (82%)
- Blue (100%)



- Cyan (30%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7236, 0.2658, 0.3000 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 72.7236, 0.2658, 0.3000 by changing the saturation by 10% instead.


 72.7236, 0.2658,
0.3000

 72.7236, 0.2658,
0.3000

470.0563, 0.2871,
0.3136

 53.7500, 0.2610,
0.2968


 123.0847, 0.2731,
0.3048

 38.4018, 0.2552,
0.2929


155.2411, 0.2760,
0.3066

 26.2947, 0.2479,
0.2880


192.5604, 0.2785,
0.3082

 17.0442, 0.2385,
0.2814

235.4272, 0.2806,
0.3096

 10.2660, 0.2260,
0.2725

284.2257, 0.2826,
0.3108

 5.5757, 0.2086,
0.2597

339.3405, 0.2843,

 2.5888, 0.1831,

0.3118

0.2398

401.1559, 0.2858,
0.3128

■ 0.9211, 0.1394,
0.2067

■ 0.0000, 0.0000,
0.0000

■ 72.7236, 0.2658,
0.3000

■ 72.7236, 0.2658,
0.3000

■ 65.3357, 0.2509,
0.2886

■ 80.9133, 0.2813,
0.3105

■ 58.7080, 0.2369,
0.2765

■ 89.9298, 0.2969,
0.3202

■ 52.8054, 0.2242,
0.2639

99.8054, 0.3124,
0.3288

■ 47.5860, 0.2132,
0.2509

100.0000, 0.3127,
0.3290

■ 43.0027, 0.2042,
0.2377

■ 38.9996, 0.1973,
0.2247

■ 35.5492, 0.1923,
0.2122

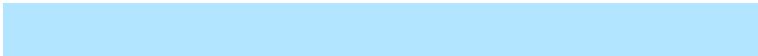
Harmonies

Analogous

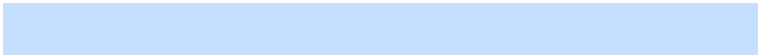
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7236, 0.2689, 0.3197



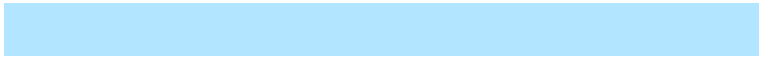
72.7236, 0.2658, 0.3000



72.7236, 0.2746, 0.2890

Triad

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



72.7236, 0.2658, 0.3000



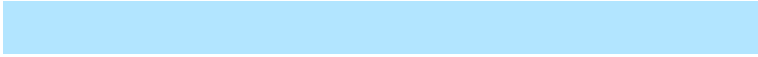
72.7236, 0.3423, 0.3147



72.7236, 0.3307, 0.3730

Complementary

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



72.7236, 0.2658, 0.3000



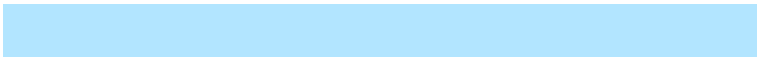
67.6701, 0.3730, 0.3562

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.



72.7236, 0.3515, 0.3696



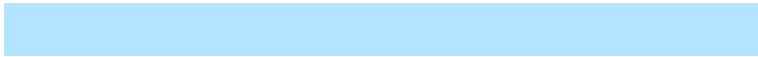
72.7236, 0.2658, 0.3000



72.7236, 0.3586, 0.3354

Square

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



72.7236, 0.2658, 0.3000



72.7236, 0.3183, 0.2978



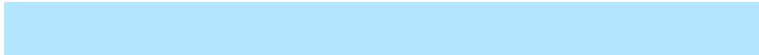
72.7236, 0.3619, 0.3555



72.7236, 0.3057, 0.3634

Rectangle

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



72.7236, 0.2658, 0.3000



72.7236, 0.2863, 0.2875



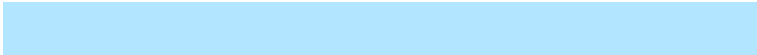
72.7236, 0.3619, 0.3555



72.7236, 0.3385, 0.3733

Sweetspot

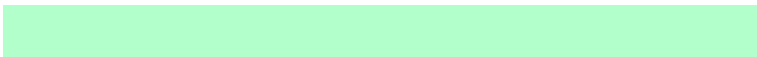
The Sweet Spot groups the original color and five complimentary colors.



72.7259, 0.2658, 0.3000



91.0579, 0.2987, 0.3212



85.3315, 0.2950, 0.3874



19.1949, 0.2965, 0.3199



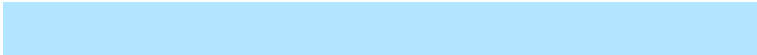
0.0000, 0.0000, 0.0000



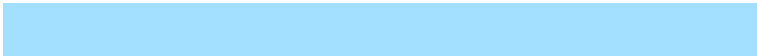
21.4041, 0.3127, 0.3290

Same Dimension

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



72.7259, 0.2658, 0.3000



68.3362, 0.2571, 0.2935



53.8833, 0.2607, 0.2554



19.3873, 0.2980, 0.3208



18.8626, 0.1929, 0.2143



2.0388, 0.1969, 0.2289

Inverse Universe

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



58.7657, 0.3367, 0.2775



52.9070, 0.3428, 0.2674



88.0806, 0.3619, 0.3932



18.1900, 0.3190, 0.3134



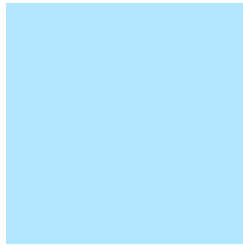
12.6322, 0.4294, 0.2139



1.2504, 0.4138, 0.2053

Previews

White Background



This preview shows how the Yxy color 72.7236, 0.2658, 0.3000 looks on a white background.

Color Contrast Check

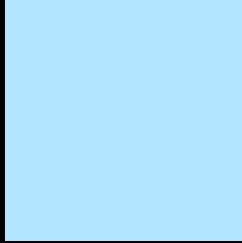
Large Text (above 18pt) WCAG AA × Fail

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 72.7236, 0.2658, 0.3000 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 72.7236, 0.2658, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 72.7236, 0.2658, 0.3000.



This preview shows how white text looks on a background with the Yxy color 72.7236, 0.2658, 0.3000.

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

72.7236, 0.2658, 0.3000

Protanopia

72.2543, 0.2922, 0.2972

Deuteranopia

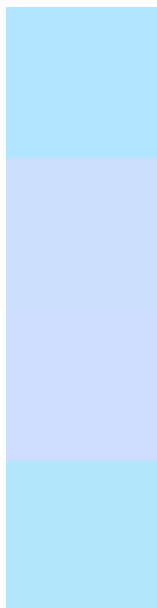
72.1790, 0.2932, 0.2885



Tritanopia

72.7181, 0.2690, 0.3087

Trichromacy



Original Color

72.7236, 0.2658, 0.3000

Protanomaly

72.4369, 0.2822, 0.2987

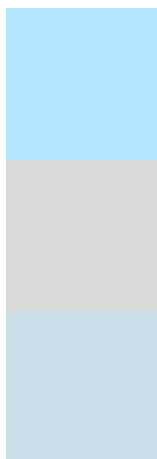
Deuteranomaly

72.1983, 0.2823, 0.2926

Tritanomaly

72.9058, 0.2674, 0.3054

Monochromacy



Original Color

72.7236, 0.2658, 0.3000

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.1789, 0.2940, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7236, 0.2658, 0.3000 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(178, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 229, 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(178, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.7236, 0.2658, 0.3000 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(178, 229, 255) }
```

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

```
.border{ border-color:rgb(178, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7236, 0.2658, 0.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 229, 255) }
```

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

```
.background{ background-color: rgb(178,  
229, 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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