

Converting Colors

$Yxy(76.1510, 0.2748, 0.3037)$

Have a look what the booklet for
Yxy(76.1510, 0.2748, 0.3037)
contains.

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Color

Yxy(76.2707, 0.2746, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	C1E8FF
RGB	193, 232, 255
RGB Percent	76%, 91%, 100%
CMY	0.2433, 0.0902, 0.0000
CMYK	0.24, 0.09, 0.00, 0.00
HSL	202°, 100%, 88%
HSV	202°, 24%, 100%
XYZ	68.8945, 76.2707, 105.7252
YIQ	222.9610, -30.6270, -1.1150

Conversions

Conversions Part 2

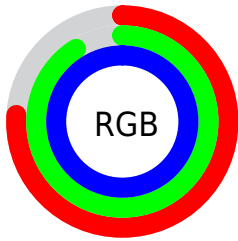
Format	Color
RYB	193, 217, 255
Decimal	12708095
CIELab	89.98, -7.69, -15.32
CIElCh	90, 17.136, 243.345
Yxy	76.2707, 0.2746, 0.3040
Android (android.graphics.Color)	4290898175 (0xFFC1E8FF)
YUV	222.9610, 15.7952, -26.2758
Hunter-Lab	87.3331, -12.0195, -10.6432

Details

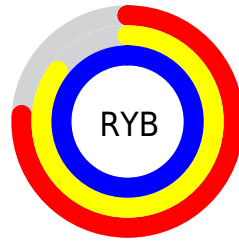
The Yxy color **76.2707, 0.2746, 0.3040** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1927, 0.3584, 0.3527**, and the grayscale version is **73.6597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **40.5312, 0.2660, 0.2979** is the 20% darker color. If you saturate the color by 10%, you get **68.0276, 0.2591, 0.2920**, and if you desaturate by 10%, it is **85.3794, 0.2904, 0.3150**.

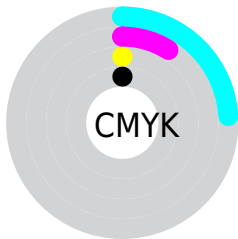
Distribution



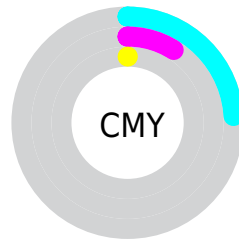
- Red (76%)
- Green (91%)
- Blue (100%)



- Red (76%)
- Yellow (85%)
- Blue (100%)



- Cyan (24%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2707, 0.2746, 0.3040 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 76.2707, 0.2746, 0.3040 by changing the saturation by 10% instead.

■ 76.2707, 0.2746,
0.3040

■ 76.2707, 0.2746,
0.3040

■ 482.2739, 0.2919,
0.3156

■ 56.6545, 0.2708,
0.3013

■ 128.1095, 0.2805,
0.3080

■ 40.7279, 0.2660,
0.2981

■ 161.1009, 0.2828,
0.3096

■ 28.1065, 0.2602,
0.2939

■ 199.3194, 0.2848,
0.3109

■ 18.4060, 0.2526,
0.2885

■ 243.1496, 0.2866,
0.3121

■ 11.2419, 0.2425,
0.2812

■ 292.9757, 0.2882,
0.3132

■ 6.2298, 0.2285,
0.2707

■ 349.1822, 0.2895,

■ 2.9853, 0.2078,

0.3141

0.2547

412.1534, 0.2908,
0.3149

1.1241, 0.1746,
0.2273

0.0000, 0.0000,
0.0000

76.2707, 0.2746,
0.3040

76.2707, 0.2746,
0.3040

68.0276, 0.2591,
0.2920

85.3794, 0.2904,
0.3150

60.6131, 0.2442,
0.2791

95.3828, 0.3060,
0.3250

53.9915, 0.2302,
0.2655

100.0000, 0.3127,
0.3290

48.1224, 0.2177,
0.2513

■ 42.9608, 0.2070,
0.2368

■ 38.4550, 0.1984,
0.2223

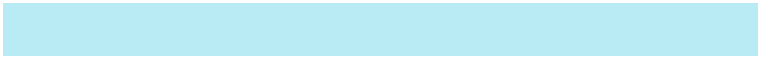
■ 34.5429, 0.1919,
0.2081

■ 32.5404, 0.1890,
0.2002

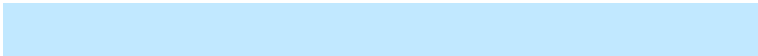
Harmonies

Analogous

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



76.2707, 0.2760, 0.3195



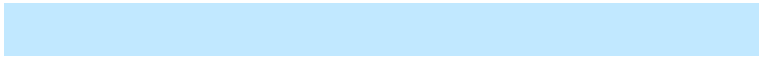
76.2707, 0.2746, 0.3040



76.2707, 0.2830, 0.2958

Triad

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



76.2707, 0.2746, 0.3040



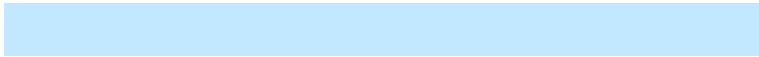
76.2707, 0.3388, 0.3192



76.2707, 0.3252, 0.3643

Complementary

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



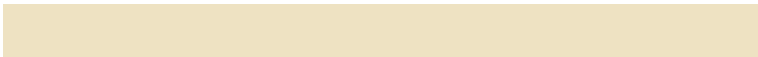
76.2707, 0.2746, 0.3040



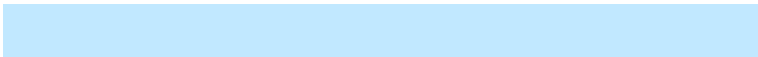
74.1927, 0.3584, 0.3527

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.



76.2707, 0.3427, 0.3630



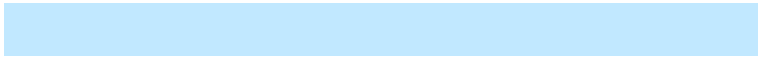
76.2707, 0.2746, 0.3040



76.2707, 0.3509, 0.3365

Square

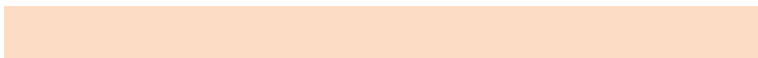
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2707, 0.2746, 0.3040



76.2707, 0.3198, 0.3047



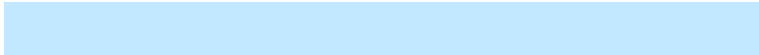
76.2707, 0.3523, 0.3525



76.2707, 0.3048, 0.3552

Rectangle

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



76.2707, 0.2746, 0.3040



76.2707, 0.2932, 0.2951



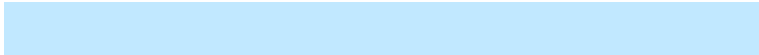
76.2707, 0.3523, 0.3525



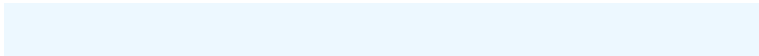
76.2707, 0.3317, 0.3650

Sweetspot

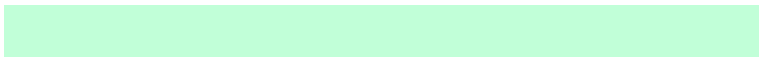
The Sweet Spot groups the original color and five complimentary colors.



76.2716, 0.2746, 0.3040



92.6228, 0.3019, 0.3224



87.7946, 0.2971, 0.3722



19.6935, 0.3009, 0.3219



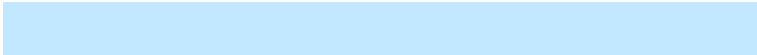
0.0000, 0.0000, 0.0000



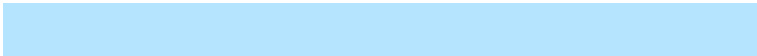
21.4041, 0.3127, 0.3290

Same Dimension

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



76.2716, 0.2746, 0.3040



72.3163, 0.2673, 0.2986



60.4327, 0.2716, 0.2692



19.2836, 0.2979, 0.3200



17.2986, 0.1896, 0.2025



1.8936, 0.1940, 0.2185

Inverse Universe

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



65.2082, 0.3326, 0.2897



59.9073, 0.3375, 0.2819



91.4635, 0.3514, 0.3824



18.1795, 0.3195, 0.3141



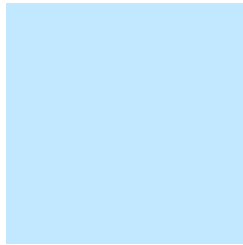
12.4743, 0.4424, 0.2211



1.2357, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 76.2707, 0.2746, 0.3040 looks on a white background.

Color Contrast Check

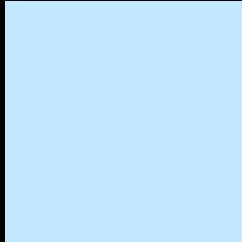
Large Text (above 18pt) WCAG AA × Fail

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 76.2707, 0.2746, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

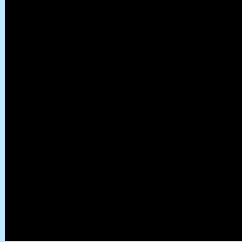
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

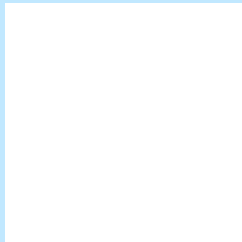
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.2707, 0.2746, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 76.2707, 0.2746, 0.3040.

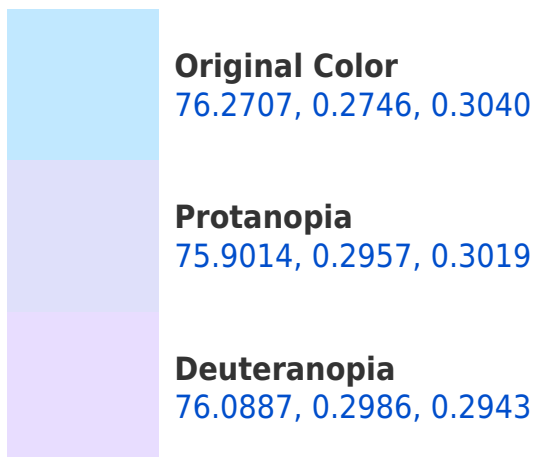


This preview shows how white text looks on a background with the Yxy color 76.2707, 0.2746, 0.3040.

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

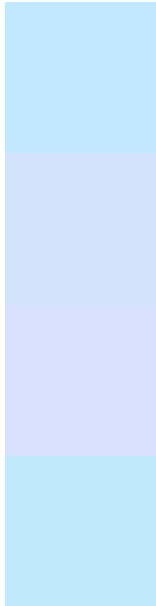




Tritanopia

76.4493, 0.2763, 0.3093

Trichromacy



Original Color

76.2707, 0.2746, 0.3040

Protanomaly

75.9635, 0.2875, 0.3025

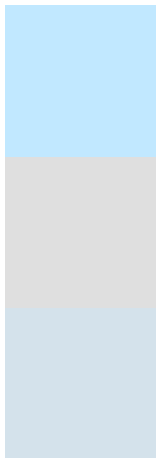
Deuteranomaly

75.9759, 0.2895, 0.2977

Tritanomaly

76.5126, 0.2758, 0.3082

Monochromacy



Original Color

76.2707, 0.2746, 0.3040

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.3879, 0.2976, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2707, 0.2746, 0.3040 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(193, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 232, 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(193, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.2707, 0.2746, 0.3040 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(193, 232, 255) }
```

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

```
.border{ border-color:rgb(193, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2707, 0.2746, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 232, 255) }
```

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

```
.background{ background-color: rgb(193,  
232, 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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