

Converting Colors

$Yxy(78.5934, 0.2812, 0.3061)$

Have a look what the booklet for
Yxy(78.5934, 0.2812, 0.3061)
contains.

Yxy(78.3352, 0.2812, 0.3056)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.3352, 0.2812, 0.3056)

Conversions

Conversions Part 1

Format	Color
Hex	CCE9FF
RGB	204, 233, 255
RGB Percent	80%, 91%, 100%
CMY	0.2001, 0.0862, 0.0001
CMYK	0.20, 0.09, 0.00, 0.00
HSL	206°, 100%, 90%
HSV	206°, 20%, 100%
XYZ	72.0807, 78.3352, 105.9166
YIQ	226.8370, -24.3460, 0.6940

Conversions

Conversions Part 2

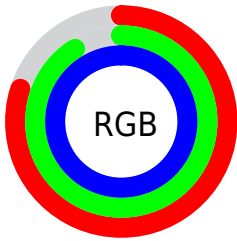
Format	Color
RYB	204, 222, 255
Decimal	13429247
CIELab	90.93, -4.95, -13.80
CIElCh	91, 14.662, 250.257
Yxy	78.3352, 0.2812, 0.3056
Android (android.graphics.Color)	4291619327 (0xFFCCE9FF)
YUV	226.8370, 13.8844, -20.0280
Hunter-Lab	88.5072, -9.5163, -8.9973

Details

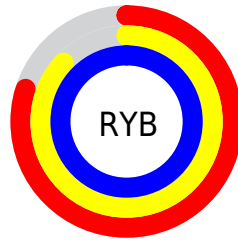
The Yxy color **78.3352, 0.2812, 0.3056** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.9716, 0.3484, 0.3513**, and the grayscale version is **76.5989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9111, 0.2742, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **69.0014, 0.2652, 0.2921**, and if you desaturate by 10%, it is **88.6520, 0.2971, 0.3179**.

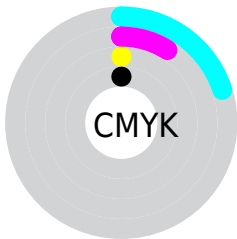
Distribution



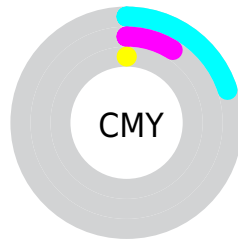
- Red (80%)
- Green (91%)
- Blue (100%)



- Red (80%)
- Yellow (87%)
- Blue (100%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3352, 0.2812, 0.3056 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 78.3352, 0.2812, 0.3056 by changing the saturation by 10% instead.

■ 78.3352, 0.2812,
0.3056

■ 78.3352, 0.2812,
0.3056

489.3045, 0.2955,
0.3164

■ 58.3494, 0.2780,
0.3032

131.0225, 0.2861,
0.3093

■ 42.0896, 0.2741,
0.3002

164.4928, 0.2880,
0.3108

■ 29.1715, 0.2693,
0.2964

203.2268, 0.2897,
0.3120

■ 19.2106, 0.2630,
0.2915

247.6087, 0.2911,
0.3131

■ 11.8225, 0.2547,
0.2849

298.0230, 0.2924,
0.3141

■ 6.6229, 0.2432,
0.2756

354.8542, 0.2935,

■ 3.2274, 0.2260,

0.3149

0.2614

418.4865, 0.2945,
0.3157

■ 1.2516, 0.1981,
0.2375

■ 0.1032, 0.0000,
0.0871

■ 78.3352, 0.2812,
0.3056

■ 78.3352, 0.2812,
0.3056

■ 69.0014, 0.2652,
0.2921

■ 88.6520, 0.2971,
0.3179

■ 60.6053, 0.2494,
0.2774

99.9758, 0.3127,
0.3290

■ 53.1119, 0.2342,
0.2616

99.9992, 0.3127,
0.3290

■ 46.4798, 0.2202,
0.2452

■ 40.6633, 0.2077,
0.2282

■ 35.6110, 0.1973,
0.2112

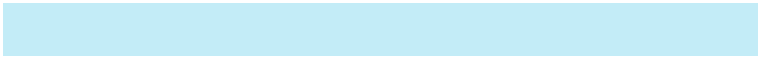
■ 31.2628, 0.1891,
0.1946

■ 27.5290, 0.1830,
0.1786

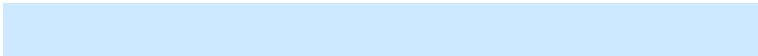
Harmonies

Analogous

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



78.3352, 0.2804, 0.3176



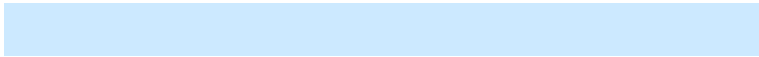
78.3352, 0.2812, 0.3056



78.3352, 0.2902, 0.3001

Triad

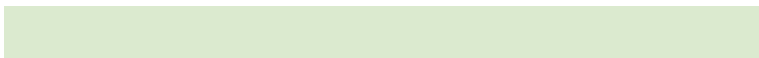
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3352, 0.2812, 0.3056



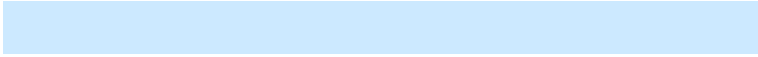
78.3352, 0.3379, 0.3241



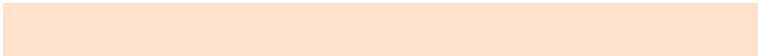
78.3352, 0.3195, 0.3577

Complementary

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



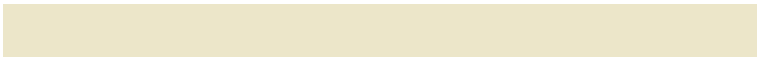
78.3352, 0.2812, 0.3056



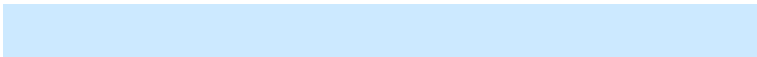
79.9716, 0.3484, 0.3513

Split Complementary

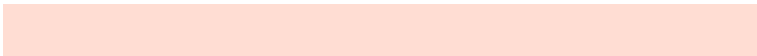
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3352, 0.3353, 0.3588



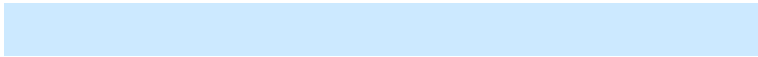
78.3352, 0.2812, 0.3056



78.3352, 0.3461, 0.3389

Square

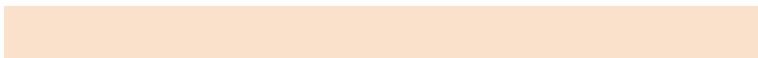
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3352, 0.2812, 0.3056



78.3352, 0.3228, 0.3108



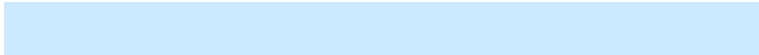
78.3352, 0.3451, 0.3517



78.3352, 0.3022, 0.3483

Rectangle

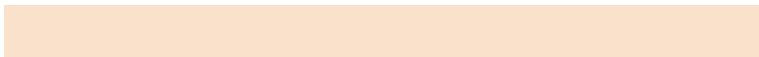
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3352, 0.2812, 0.3056



78.3352, 0.2997, 0.3007



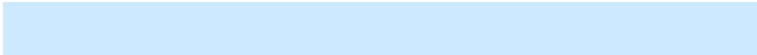
78.3352, 0.3451, 0.3517



78.3352, 0.3251, 0.3591

Sweetspot

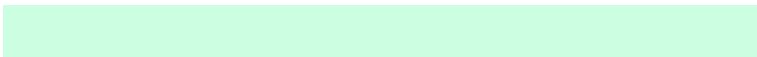
The Sweet Spot groups the original color and five complimentary colors.



78.3384, 0.2812, 0.3056



93.0812, 0.3034, 0.3225



89.7921, 0.2984, 0.3608



19.7668, 0.3024, 0.3218



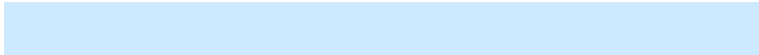
0.0000, 0.0000, 0.0000



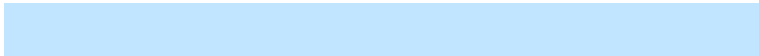
21.4041, 0.3127, 0.3290

Same Dimension

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



78.3384, 0.2812, 0.3056



74.5070, 0.2748, 0.3003



65.2677, 0.2795, 0.2783



19.0948, 0.2979, 0.3185



14.6886, 0.1837, 0.1812



1.6473, 0.1888, 0.1996

Inverse Universe

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



70.3096, 0.3307, 0.2999



65.3921, 0.3351, 0.2939



94.4442, 0.3438, 0.3751



18.1604, 0.3205, 0.3155



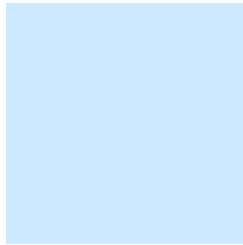
12.2108, 0.4671, 0.2347



1.2108, 0.4458, 0.2229

Previews

White Background



This preview shows how the Yxy color 78.3352, 0.2812, 0.3056 looks on a white background.

Color Contrast Check

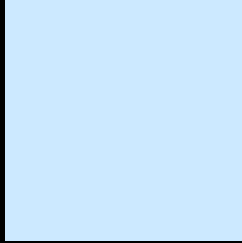
Large Text (above 18pt) WCAG AA × Fail

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 78.3352, 0.2812, 0.3056 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

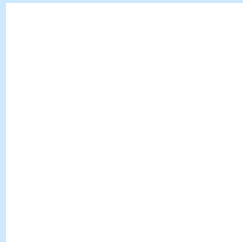
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3352, 0.2812, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 78.3352, 0.2812, 0.3056.

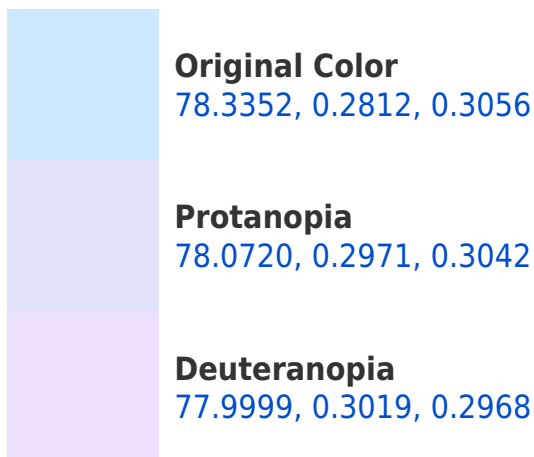


This preview shows how white text looks on a background with the Yxy color 78.3352, 0.2812, 0.3056.

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

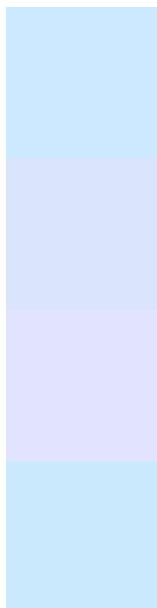




Tritanopia

78.0026, 0.2823, 0.3086

Trichromacy



Original Color

78.3352, 0.2812, 0.3056

Protanomaly

77.9723, 0.2914, 0.3049

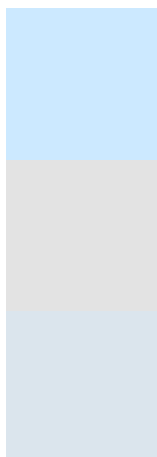
Deuteranomaly

78.1657, 0.2941, 0.3002

Tritanomaly

78.0662, 0.2817, 0.3076

Monochromacy



Original Color

78.3352, 0.2812, 0.3056

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.2131, 0.3010, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3352, 0.2812, 0.3056 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(204, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 233, 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(204, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.3352, 0.2812, 0.3056 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(204, 233, 255) }
```

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

```
.border{ border-color:rgb(204, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3352, 0.2812, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 233, 255) }
```

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

```
.background{ background-color: rgb(204,  
233, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor