

Converting Colors

$Yxy(80.6011, 0.2767, 0.3118)$

Have a look what the booklet for
Yxy(80.6011, 0.2767, 0.3118)
contains.

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Color

Yxy(80.5551, 0.2764, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	C3EFFF
RGB	195, 239, 255
RGB Percent	76%, 94%, 100%
CMY	0.2355, 0.0627, 0.0000
CMYK	0.24, 0.06, 0.00, 0.00
HSL	196°, 100%, 88%
HSV	196°, 24%, 100%
XYZ	71.4093, 80.5551, 106.3906
YIQ	227.6680, -31.3600, -4.3520

Conversions

Conversions Part 2

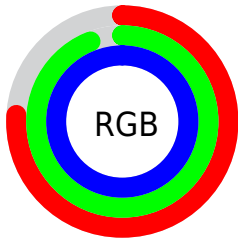
Format	Color
R_{YB}	195, 220, 255
Decimal	12840959
CIE _{Lab}	91.93, -10.69, -12.37
CIE _{LCh}	92, 16.347, 229.177
Yxy	80.5551, 0.2764, 0.3118
Android (android.graphics.Color)	4291031039 (0xFFC3EFFF)
YUV	227.6680, 13.4747, -28.6498
Hunter-Lab	89.7525, -15.0478, -7.4543

Details

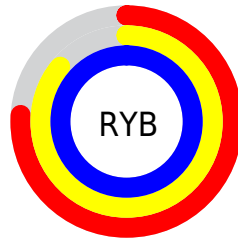
The Yxy color **80.5551, 0.2764, 0.3118** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7444, 0.3581, 0.3456**, and the grayscale version is **77.2387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **43.5196, 0.2685, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **73.5494, 0.2616, 0.3034**, and if you desaturate by 10%, it is **88.2963, 0.2917, 0.3196**.

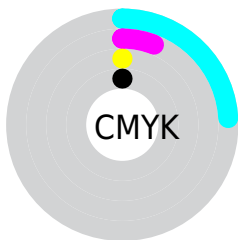
Distribution



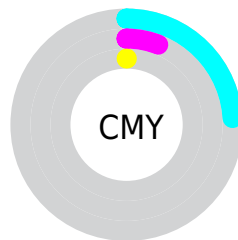
- Red (76%)
- Green (94%)
- Blue (100%)



- Red (76%)
- Yellow (86%)
- Blue (100%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5551, 0.2764, 0.3118 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 80.5551, 0.2764, 0.3118 by changing the saturation by 10% instead.

80.5551, 0.2764,
0.3118

80.5551, 0.2764,
0.3118

496.8016, 0.2927,
0.3198

60.1753, 0.2728,
0.3100

134.1459, 0.2820,
0.3146

43.5599, 0.2684,
0.3077

168.1256, 0.2841,
0.3157

30.3247, 0.2629,
0.3048

207.4074, 0.2860,
0.3166

20.0852, 0.2559,
0.3011

252.3757, 0.2877,
0.3174

12.4570, 0.2467,
0.2959

303.4149, 0.2892,
0.3181

7.0557, 0.2339,
0.2886

360.9093, 0.2905,

3.4970, 0.2151,

0.3188

0.2772

425.2434, 0.2916,
0.3193

■ 1.3964, 0.1853,
0.2577

■ 0.2140, 0.0000,
0.1624

■ 80.5551, 0.2764,
0.3118

■ 80.5551, 0.2764,
0.3118

■ 73.5494, 0.2616,
0.3034

■ 88.2963, 0.2917,
0.3196

■ 67.2385, 0.2477,
0.2944

■ 96.7923, 0.3072,
0.3267

■ 61.5918, 0.2350,
0.2848

■ 99.9999, 0.3127,
0.3290

■ 56.5724, 0.2239,
0.2750

■ 52.1387, 0.2146,
0.2649

■ 48.2431, 0.2074,
0.2548

■ 44.8274, 0.2021,
0.2448

■ 42.8273, 0.1996,
0.2384

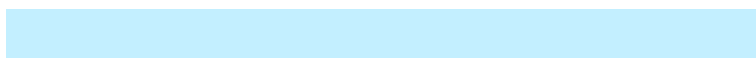
Harmonies

Analogous

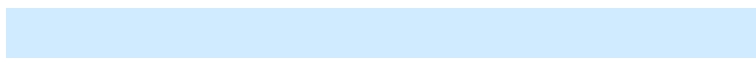
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5551, 0.2821, 0.3284



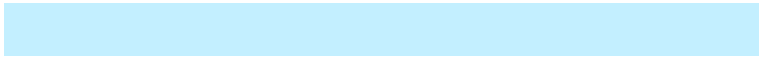
80.5551, 0.2764, 0.3118



80.5551, 0.2800, 0.3005

Triad

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



80.5551, 0.2764, 0.3118



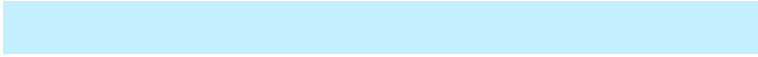
80.5551, 0.3293, 0.3129



80.5551, 0.3329, 0.3626

Complementary

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



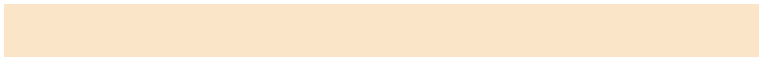
80.5551, 0.2764, 0.3118



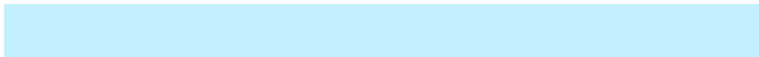
71.7444, 0.3581, 0.3456

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.



80.5551, 0.3462, 0.3571



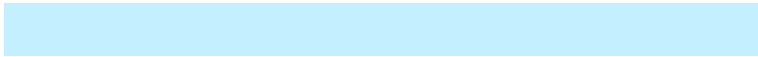
80.5551, 0.2764, 0.3118



80.5551, 0.3442, 0.3283

Square

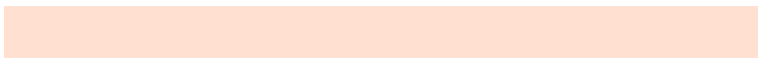
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



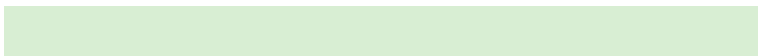
80.5551, 0.2764, 0.3118



80.5551, 0.3101, 0.3016



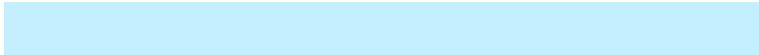
80.5551, 0.3505, 0.3444



80.5551, 0.3144, 0.3586

Rectangle

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



80.5551, 0.2764, 0.3118



80.5551, 0.2873, 0.2973



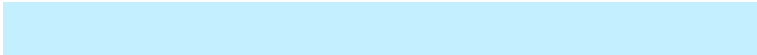
80.5551, 0.3505, 0.3444



80.5551, 0.3381, 0.3618

Sweetspot

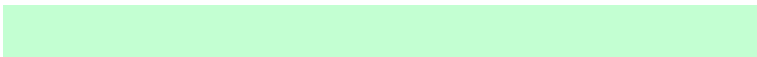
The Sweet Spot groups the original color and five complimentary colors.



80.5584, 0.2764, 0.3118



93.7777, 0.3019, 0.3243



87.7640, 0.3014, 0.3786



19.9613, 0.3009, 0.3239



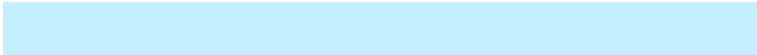
0.0000, 0.0000, 0.0000



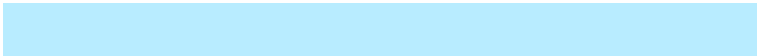
21.4041, 0.3127, 0.3290

Same Dimension

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



80.5584, 0.2764, 0.3118



77.3543, 0.2697, 0.3081



64.8837, 0.2737, 0.2794



19.6156, 0.2980, 0.3225



22.6366, 0.2000, 0.2400



2.3836, 0.2032, 0.2514

Inverse Universe

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



66.4953, 0.3271, 0.2850



61.4314, 0.3305, 0.2764



87.5077, 0.3516, 0.3741



18.2130, 0.3179, 0.3117



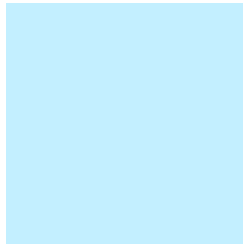
13.0131, 0.4023, 0.1990



1.2852, 0.3909, 0.1927

Previews

White Background



This preview shows how the Yxy color 80.5551, 0.2764, 0.3118 looks on a white background.

Color Contrast Check

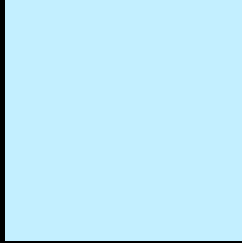
Large Text (above 18pt) WCAG AA × Fail

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 80.5551, 0.2764, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

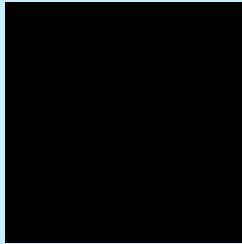
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5551, 0.2764, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 80.5551, 0.2764, 0.3118.

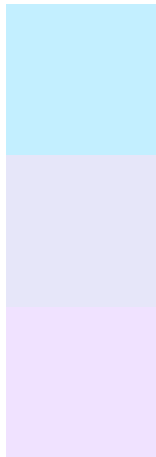


This preview shows how white text looks on a background with the Yxy color 80.5551, 0.2764, 0.3118.

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

80.5551, 0.2764, 0.3118

Protanopia

80.2562, 0.3009, 0.3095

Deuteranopia

80.1380, 0.3039, 0.3000



Tritanopia

80.6484, 0.2792, 0.3108

Trichromacy



Original Color

80.5551, 0.2764, 0.3118

Protanomaly

79.9946, 0.2914, 0.3102

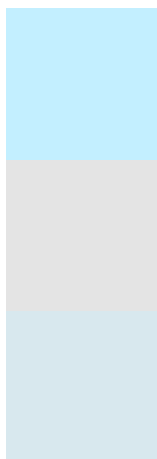
Deuteranomaly

80.2191, 0.2935, 0.3043

Tritanomaly

80.3748, 0.2781, 0.3108

Monochromacy



Original Color

80.5551, 0.2764, 0.3118

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.4852, 0.2984, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5551, 0.2764, 0.3118 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(195, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 239, 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(195, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.5551, 0.2764, 0.3118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

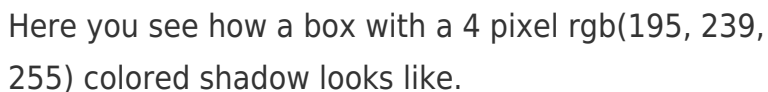
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 239, 255) }
```

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

```
.border{ border-color:rgb(195, 239, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 239, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 239, 255); box-shadow:4px 4px 4px 4px rgb(195, 239, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5551, 0.2764, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 239, 255) }
```

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

```
.background{ background-color: rgb(195,  
239, 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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