

Converting Colors

$Yxy(80.6015, 0.2862, 0.3080)$

Have a look what the booklet for
Yxy(80.6015, 0.2862, 0.3080)
contains.

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Color

Yxy(80.6337, 0.2862, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	D4EBFF
RGB	212, 235, 255
RGB Percent	83%, 92%, 100%
CMY	0.1684, 0.0785, 0.0000
CMYK	0.17, 0.08, 0.00, 0.00
HSL	208°, 100%, 92%
HSV	208°, 17%, 100%
XYZ	74.9265, 80.6337, 106.2375
YIQ	230.4030, -20.1280, 1.3440

Conversions

Conversions Part 2

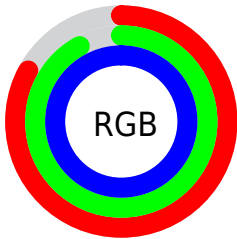
Format	Color
R _Y B	212, 227, 255
Decimal	13954047
CIE Lab	91.97, -3.49, -12.21
CIE LCh	92, 12.704, 254.035
Yxy	80.6337, 0.2862, 0.3080
Android (android.graphics.Color)	4292144127 (0xFFD4EBFF)
YUV	230.4030, 12.1263, -16.1394
Hunter-Lab	89.7963, -8.2021, -7.2883

Details

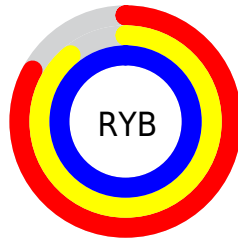
The Yxy color **80.6337, 0.2862, 0.3080** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.7781, 0.3418, 0.3491**, and the grayscale version is **79.3732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4855, 0.2805, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **70.5577, 0.2700, 0.2937**, and if you desaturate by 10%, it is **91.7673, 0.3021, 0.3210**.

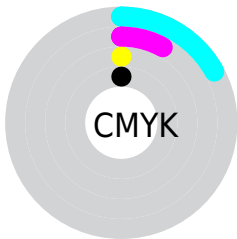
Distribution



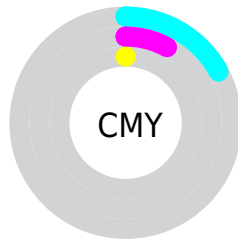
- Red (83%)
- Green (92%)
- Blue (100%)



- Red (83%)
- Yellow (89%)
- Blue (100%)



- Cyan (17%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6337, 0.2862, 0.3080 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 80.6337, 0.2862, 0.3080 by changing the saturation by 10% instead.

80.6337, 0.2862,
0.3080

80.6337, 0.2862,
0.3080

497.0659, 0.2982,
0.3176

60.2400, 0.2835,
0.3058

134.2563, 0.2903,
0.3113

43.6121, 0.2803,
0.3032

168.2540, 0.2919,
0.3126

30.3657, 0.2762,
0.2999

207.5551, 0.2933,
0.3137

20.1163, 0.2710,
0.2956

252.5440, 0.2945,
0.3147

12.4796, 0.2641,
0.2899

303.6052, 0.2956,
0.3155

7.0712, 0.2545,
0.2818

361.1229, 0.2965,

3.5067, 0.2401,

0.3163

0.2695

425.4817, 0.2974,
0.3170

■ 1.4016, 0.2168,
0.2491

■ 0.2179, 0.0848,
0.1517

■ 80.6337, 0.2862,
0.3080

■ 80.6337, 0.2862,
0.3080

■ 70.5577, 0.2700,
0.2937

■ 91.7673, 0.3021,
0.3210

■ 61.4964, 0.2537,
0.2781

100.0000, 0.3127,
0.3290

■ 53.4124, 0.2379,
0.2613

■ 46.2633, 0.2230,
0.2436

■ 40.0027, 0.2095,
0.2253

■ 34.5791, 0.1978,
0.2068

■ 29.9331, 0.1884,
0.1887

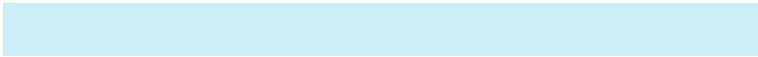
■ 25.9922, 0.1814,
0.1714

■ 24.8604, 0.1795,
0.1660

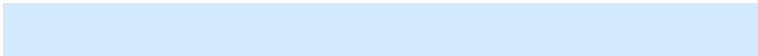
Harmonies

Analogous

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



80.6337, 0.2846, 0.3178



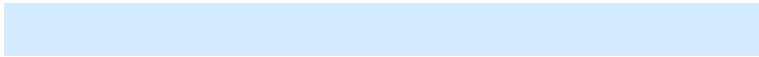
80.6337, 0.2862, 0.3080



80.6337, 0.2947, 0.3040

Triad

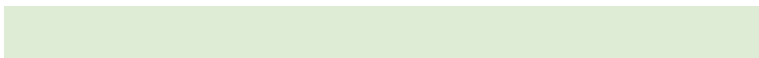
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6337, 0.2862, 0.3080



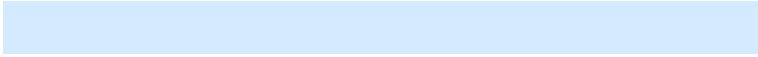
80.6337, 0.3355, 0.3264



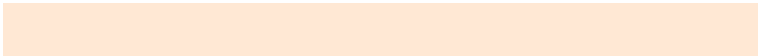
80.6337, 0.3167, 0.3529

Complementary

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



80.6337, 0.2862, 0.3080



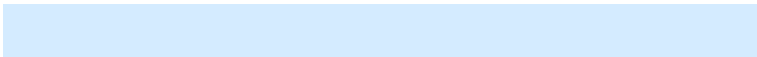
83.7781, 0.3418, 0.3491

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.



80.6337, 0.3306, 0.3548



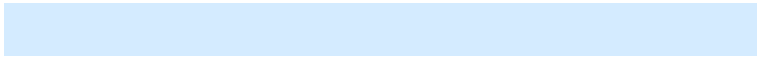
80.6337, 0.2862, 0.3080



80.6337, 0.3417, 0.3391

Square

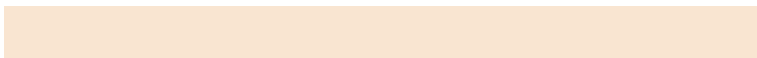
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6337, 0.2862, 0.3080



80.6337, 0.3232, 0.3146



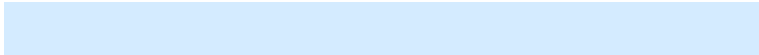
80.6337, 0.3398, 0.3496



80.6337, 0.3020, 0.3441

Rectangle

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



80.6337, 0.2862, 0.3080



80.6337, 0.3034, 0.3050



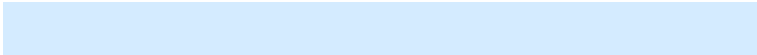
80.6337, 0.3398, 0.3496



80.6337, 0.3216, 0.3544

Sweetspot

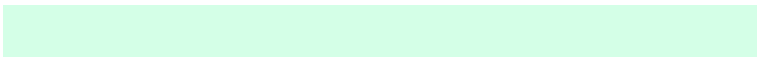
The Sweet Spot groups the original color and five complimentary colors.



80.6358, 0.2862, 0.3080



93.9273, 0.3050, 0.3232



91.3190, 0.2998, 0.3537



19.9263, 0.3039, 0.3223



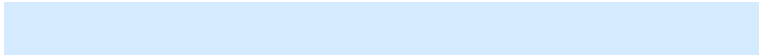
0.0000, 0.0000, 0.0000



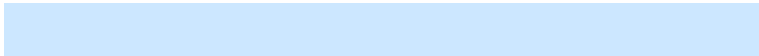
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6358, 0.2862, 0.3080



77.3340, 0.2811, 0.3036



69.4305, 0.2852, 0.2856



18.9835, 0.2979, 0.3176



13.2921, 0.1802, 0.1688



1.5130, 0.1857, 0.1884

Inverse Universe

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



74.3795, 0.3285, 0.3062



70.2279, 0.3320, 0.3017



96.1751, 0.3384, 0.3690



18.1492, 0.3210, 0.3164



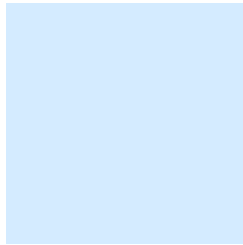
12.0698, 0.4821, 0.2429



1.1973, 0.4586, 0.2300

Previews

White Background



This preview shows how the Yxy color 80.6337, 0.2862, 0.3080 looks on a white background.

Color Contrast Check

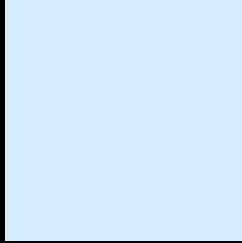
Large Text (above 18pt) WCAG AA × Fail

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 80.6337, 0.2862, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

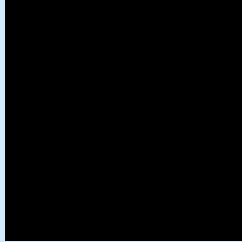
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

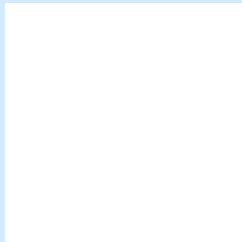
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6337, 0.2862, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 80.6337, 0.2862, 0.3080.



This preview shows how white text looks on a background with the Yxy color 80.6337, 0.2862, 0.3080.

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

80.6337, 0.2862, 0.3080

Protanopia

80.4449, 0.2991, 0.3065

Deuteranopia

80.4900, 0.3053, 0.3001



Tritanopia

80.5695, 0.2867, 0.3091

Trichromacy



Original Color

80.6337, 0.2862, 0.3080

Protanomaly

80.4930, 0.2941, 0.3073

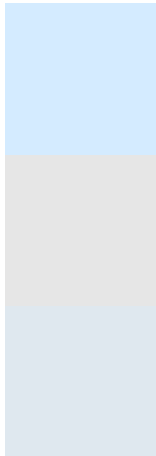
Deuteranomaly

80.2475, 0.2980, 0.3026

Tritanomaly

80.5695, 0.2867, 0.3091

Monochromacy



Original Color

80.6337, 0.2862, 0.3080

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.6332, 0.3024, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6337, 0.2862, 0.3080 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(212, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 235, 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(212, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.6337, 0.2862, 0.3080 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(212, 235, 255) }
```

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

```
.border{ border-color:rgb(212, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6337, 0.2862, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 235, 255) }
```

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

```
.background{ background-color: rgb(212,  
235, 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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