

Converting Colors

$Yxy(80.3526, 0.2913, 0.3055)$

Have a look what the booklet for
Yxy(80.3526, 0.2913, 0.3055)
contains.

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Color

Yxy(80.1489, 0.2910, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	DCE8FF
RGB	220, 232, 255
RGB Percent	86%, 91%, 100%
CMY	0.1373, 0.0902, 0.0000
CMYK	0.14, 0.09, 0.00, 0.00
HSL	219°, 100%, 93%
HSV	219°, 14%, 100%
XYZ	76.4198, 80.1489, 106.0424
YIQ	231.0340, -14.5350, 4.6090

Conversions

Conversions Part 2

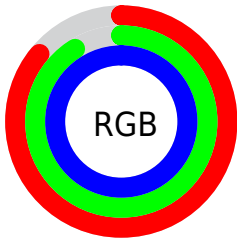
Format	Color
R _Y B	220, 229, 255
Decimal	14477567
CIE Lab	91.75, 0.49, -12.47
CIE LCh	92, 12.476, 272.245
Yxy	80.1489, 0.2910, 0.3052
Android (android.graphics.Color)	4292667647 (0xFFDCE8FF)
YUV	231.0340, 11.8152, -9.6768
Hunter-Lab	89.5259, -4.3018, -7.5601

Details

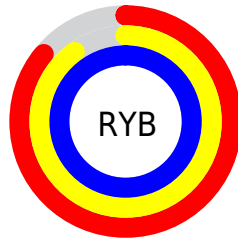
The Yxy color **80.1489, 0.2910, 0.3052** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.5172, 0.3349, 0.3517**, and the grayscale version is **79.8579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1272, 0.2865, 0.2996** is the 20% darker color. If you saturate the color by 10%, you get **67.4876, 0.2740, 0.2854**, and if you desaturate by 10%, it is **94.3223, 0.3070, 0.3229**.

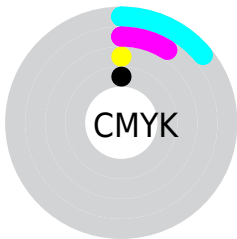
Distribution



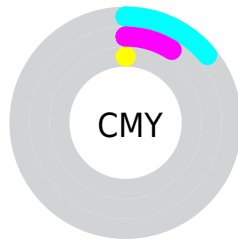
- Red (86%)
- Green (91%)
- Blue (100%)



- Red (86%)
- Yellow (90%)
- Blue (100%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1489, 0.2910, 0.3052 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 80.1489, 0.2910, 0.3052 by changing the saturation by 10% instead.

80.1489, 0.2910,
0.3052

80.1489, 0.2910,
0.3052

495.4345, 0.3008,
0.3160

59.8409, 0.2888,
0.3028

133.5751, 0.2944,
0.3089

43.2904, 0.2861,
0.2999

167.4620, 0.2957,
0.3103

30.1130, 0.2827,
0.2962

206.6440, 0.2968,
0.3116

19.9244, 0.2784,
0.2914

251.5056, 0.2978,
0.3127

12.3401, 0.2726,
0.2851

302.4310, 0.2987,
0.3137

6.9757, 0.2645,
0.2763

359.8047, 0.2995,

3.4469, 0.2523,

0.3145

0.2631

424.0110, 0.3002,
0.3153

■ 1.3693, 0.2322,
0.2414

■ 0.1939, 0.1328,
0.1312

■ 80.1489, 0.2910,
0.3052

■ 80.1489, 0.2910,
0.3052

■ 67.4876, 0.2740,
0.2854

■ 94.3223, 0.3070,
0.3229

■ 56.2761, 0.2562,
0.2635

99.9995, 0.3127,
0.3290

■ 46.4619, 0.2382,
0.2398

■ 37.9857, 0.2204,
0.2148

■ 30.7832, 0.2037,
0.1892

■ 24.7840, 0.1888,
0.1639

■ 19.9094, 0.1765,
0.1401

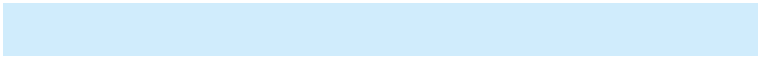
■ 16.0682, 0.1674,
0.1188

■ 14.1177, 0.1631,
0.1071

Harmonies

Analogous

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



80.1489, 0.2851, 0.3115



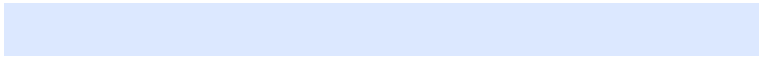
80.1489, 0.2910, 0.3052



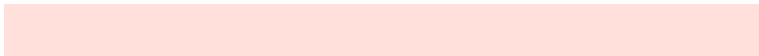
80.1489, 0.3027, 0.3052

Triad

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



80.1489, 0.2910, 0.3052



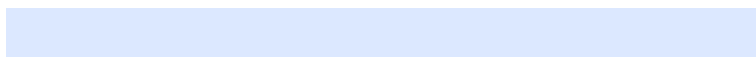
80.1489, 0.3397, 0.3341



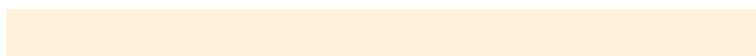
80.1489, 0.3077, 0.3479

Complementary

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



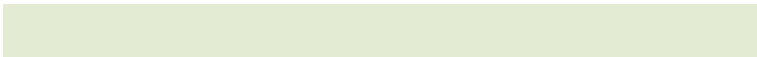
80.1489, 0.2910, 0.3052



90.5172, 0.3349, 0.3517

Split Complementary

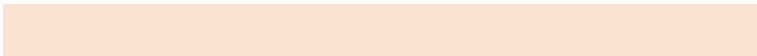
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1489, 0.3223, 0.3541



80.1489, 0.2910, 0.3052



80.1489, 0.3411, 0.3457

Square

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



80.1489, 0.2910, 0.3052



80.1489, 0.3310, 0.3216



80.1489, 0.3346, 0.3532



80.1489, 0.2946, 0.3363

Rectangle

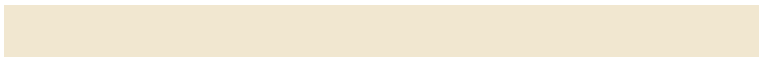
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



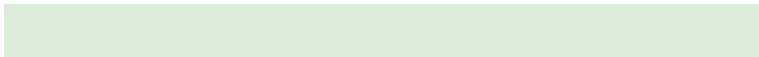
80.1489, 0.2910, 0.3052



80.1489, 0.3123, 0.3085



80.1489, 0.3346, 0.3532



80.1489, 0.3126, 0.3507

Sweetspot

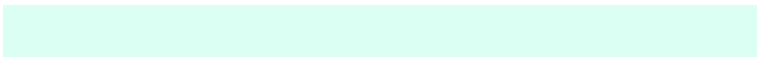
The Sweet Spot groups the original color and five complimentary colors.



80.1522, 0.2910, 0.3052



93.9161, 0.3066, 0.3225



93.1861, 0.2983, 0.3415



19.8630, 0.3054, 0.3212



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.



80.1522, 0.2910, 0.3052



77.1437, 0.2872, 0.3009



74.4527, 0.2941, 0.2928



18.3968, 0.2979, 0.3129



7.6259, 0.1639, 0.1101



0.9364, 0.1701, 0.1325

Inverse Universe

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



78.2709, 0.3298, 0.3171



75.0670, 0.3331, 0.3150



96.9588, 0.3299, 0.3635



18.0900, 0.3240, 0.3209



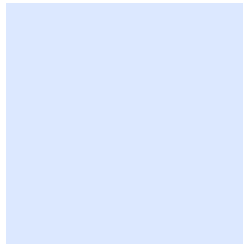
11.4978, 0.5609, 0.2864



1.1391, 0.5293, 0.2689

Previews

White Background



This preview shows how the Yxy color 80.1489, 0.2910, 0.3052 looks on a white background.

Color Contrast Check

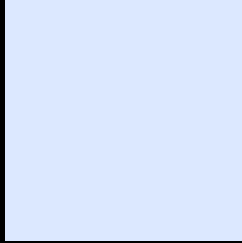
Large Text (above 18pt) WCAG AA × Fail

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 80.1489, 0.2910, 0.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

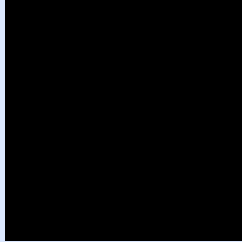
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

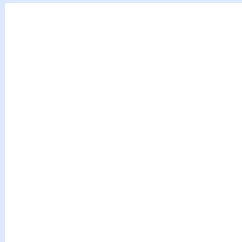
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1489, 0.2910, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 80.1489, 0.2910, 0.3052.



This preview shows how white text looks on a background with the Yxy color 80.1489, 0.2910, 0.3052.

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

80.1489, 0.2910, 0.3052

Protanopia

80.3435, 0.2979, 0.3055

Deuteranopia

79.7712, 0.3046, 0.2991



Tritanopia

80.3029, 0.2927, 0.3102

Trichromacy



Original Color

80.1489, 0.2910, 0.3052

Protanomaly

80.4763, 0.2954, 0.3054

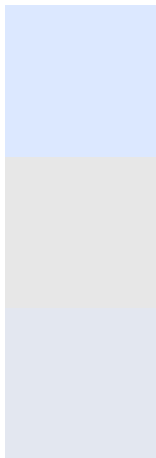
Deuteranomaly

80.0304, 0.2993, 0.3017

Tritanomaly

80.3662, 0.2921, 0.3092

Monochromacy



Original Color

80.1489, 0.2910, 0.3052

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.7740, 0.3044, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1489, 0.2910, 0.3052 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(220, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.1489, 0.2910, 0.3052 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(220, 232, 255) }
```

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

```
.border{ border-color:rgb(220, 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(220, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1489, 0.2910, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 232, 255) }
```

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

```
.background{ background-color: rgb(220,  
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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