

Converting Colors

Yxy(80.4506, 0.2890, 0.3066)

Have a look what the booklet for
Yxy(80.4506, 0.2890, 0.3066)
contains.

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Color

Yxy(80.2495, 0.2892, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	D9E9FF
RGB	217, 233, 255
RGB Percent	85%, 91%, 100%
CMY	0.1487, 0.0863, 0.0000
CMYK	0.15, 0.09, 0.00, 0.00
HSL	215°, 100%, 93%
HSV	215°, 15%, 100%
XYZ	75.8189, 80.2495, 106.0992
YIQ	230.7240, -16.5980, 3.4500

Conversions

Conversions Part 2

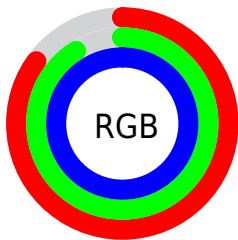
Format	Color
R _Y B	217, 228, 255
Decimal	14281215
CIE Lab	91.80, -0.93, -12.42
CIE LCh	92, 12.459, 265.731
Yxy	80.2495, 0.2892, 0.3061
Android (android.graphics.Color)	4292471295 (0xFFD9E9FF)
YUV	230.7240, 11.9681, -12.0359
Hunter-Lab	89.5821, -5.6930, -7.5144

Details

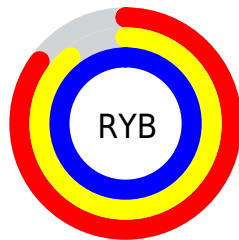
The Yxy color **80.2495, 0.2892, 0.3061** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.0547, 0.3374, 0.3509**, and the grayscale version is **79.6235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2029, 0.2842, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **68.6107, 0.2724, 0.2885**, and if you desaturate by 10%, it is **93.2015, 0.3052, 0.3219**.

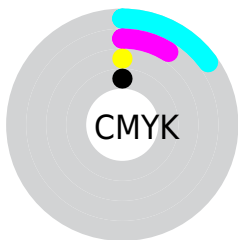
Distribution



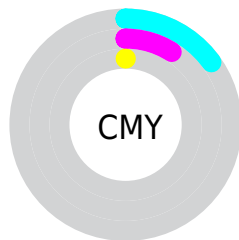
- Red (85%)
- Green (91%)
- Blue (100%)



- Red (85%)
- Yellow (89%)
- Blue (100%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2495, 0.2892, 0.3061 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 80.2495, 0.2892, 0.3061 by changing the saturation by 10% instead.

80.2495, 0.2892,
0.3061

80.2495, 0.2892,
0.3061

495.7733, 0.2998,
0.3165

59.9237, 0.2868,
0.3038

133.7165, 0.2928,
0.3097

43.3571, 0.2839,
0.3009

167.6264, 0.2943,
0.3111

30.1654, 0.2803,
0.2974

206.8332, 0.2955,
0.3123

19.9642, 0.2756,
0.2928

251.7212, 0.2966,
0.3133

12.3690, 0.2694,
0.2866

302.6748, 0.2976,
0.3143

6.9955, 0.2607,
0.2780

360.0784, 0.2984,

3.4593, 0.2477,

0.3151

0.2651

424.3164, 0.2992,
0.3158

■ 1.3760, 0.2263,
0.2437

■ 0.1989, 0.1143,
0.1366

■ 80.2495, 0.2892,
0.3061

■ 80.2495, 0.2892,
0.3061

■ 68.6107, 0.2724,
0.2885

■ 93.2015, 0.3052,
0.3219

■ 58.2302, 0.2553,
0.2691

99.9999, 0.3127,
0.3290

■ 49.0639, 0.2381,
0.2481

■ 41.0607, 0.2214,
0.2260

■ 34.1654, 0.2059,
0.2032

■ 28.3171, 0.1922,
0.1804

■ 23.4472, 0.1810,
0.1585

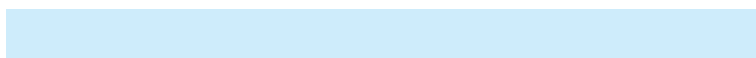
■ 19.4751, 0.1725,
0.1383

■ 17.7370, 0.1691,
0.1287

Harmonies

Analogous

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



80.2495, 0.2848, 0.3137



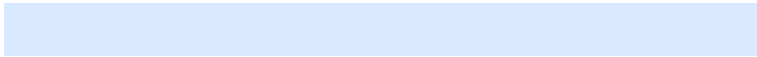
80.2495, 0.2892, 0.3061



80.2495, 0.2998, 0.3047

Triad

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



80.2495, 0.2892, 0.3061



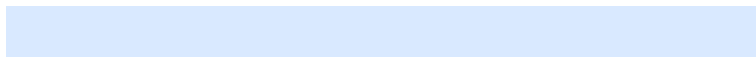
80.2495, 0.3384, 0.3314



80.2495, 0.3109, 0.3498

Complementary

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



80.2495, 0.2892, 0.3061



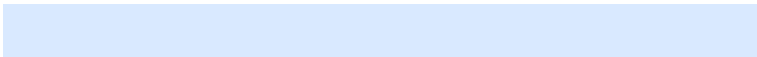
88.0547, 0.3374, 0.3509

Split Complementary

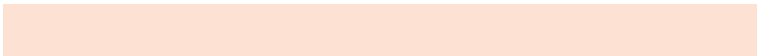
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2495, 0.3253, 0.3545



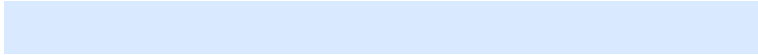
80.2495, 0.2892, 0.3061



80.2495, 0.3414, 0.3434

Square

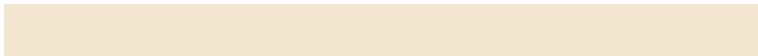
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2495, 0.2892, 0.3061



80.2495, 0.3283, 0.3191



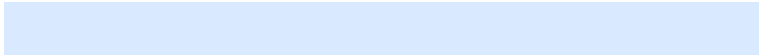
80.2495, 0.3366, 0.3520



80.2495, 0.2971, 0.3391

Rectangle

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



80.2495, 0.2892, 0.3061



80.2495, 0.3091, 0.3072



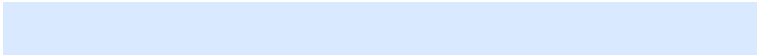
80.2495, 0.3366, 0.3520



80.2495, 0.3158, 0.3521

Sweetspot

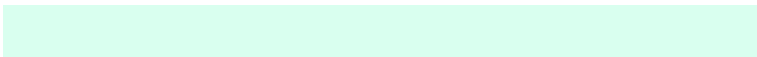
The Sweet Spot groups the original color and five complimentary colors.



80.2528, 0.2892, 0.3061



94.3976, 0.3066, 0.3232



92.4881, 0.2989, 0.3459



19.9846, 0.3054, 0.3221



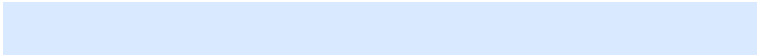
0.0000, 0.0000, 0.0000



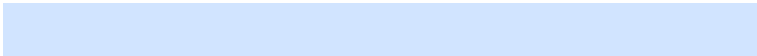
21.4041, 0.3127, 0.3290

Same Dimension

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



80.2528, 0.2892, 0.3061



76.4758, 0.2840, 0.3008



72.0352, 0.2902, 0.2893



18.6304, 0.2979, 0.3148



9.5475, 0.1699, 0.1317



1.1399, 0.1761, 0.1538

Inverse Universe

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



76.8043, 0.3294, 0.3132



72.5316, 0.3336, 0.3097



97.3162, 0.3335, 0.3662



18.1135, 0.3228, 0.3191



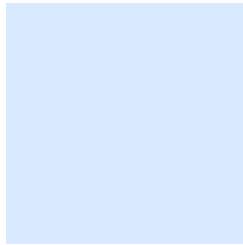
11.6918, 0.5303, 0.2695



1.1596, 0.5009, 0.2533

Previews

White Background



This preview shows how the Yxy color 80.2495, 0.2892, 0.3061 looks on a white background.

Color Contrast Check

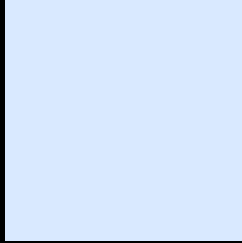
Large Text (above 18pt) WCAG AA × Fail

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 80.2495, 0.2892, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

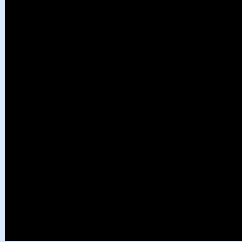
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

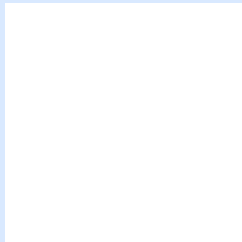
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2495, 0.2892, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 80.2495, 0.2892, 0.3061.



This preview shows how white text looks on a background with the Yxy color 80.2495, 0.2892, 0.3061.

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

80.2495, 0.2892, 0.3061

Protanopia

80.3435, 0.2979, 0.3055

Deuteranopia

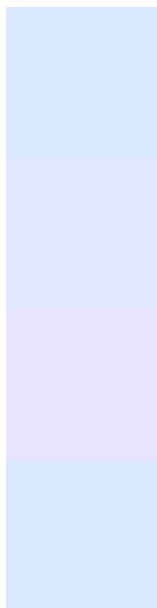
79.7712, 0.3046, 0.2991



Tritanopia

80.0578, 0.2909, 0.3092

Trichromacy



Original Color

80.2495, 0.2892, 0.3061

Protanomaly

80.3151, 0.2947, 0.3054

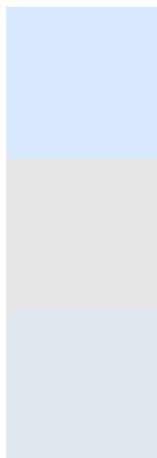
Deuteranomaly

79.8626, 0.2986, 0.3016

Tritanomaly

80.1214, 0.2903, 0.3081

Monochromacy



Original Color

80.2495, 0.2892, 0.3061

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.1732, 0.3038, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2495, 0.2892, 0.3061 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(217, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.2495, 0.2892, 0.3061 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(217, 233, 255) }
```

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

```
.border{ border-color:rgb(217, 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(217, 233, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2495, 0.2892, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 233, 255) }
```

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

```
.background{ background-color: rgb(217,  
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](#).

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