

Converting Colors

Yxy(81.4913, 0.2906, 0.3126)

Have a look what the booklet for
Yxy(81.4913, 0.2906, 0.3126)
contains.

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Color

Yxy(81.6181, 0.2904, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	D8ECFC
RGB	216, 236, 252
RGB Percent	85%, 93%, 99%
CMY	0.1527, 0.0745, 0.0118
CMYK	0.14, 0.06, 0.00, 0.01
HSL	207°, 86%, 92%
HSV	207°, 14%, 99%
XYZ	75.8946, 81.6181, 103.8324
YIQ	231.8440, -17.0560, 0.7360

Conversions

Conversions Part 2

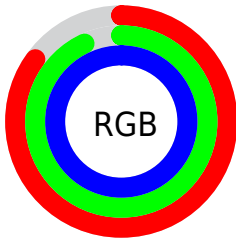
Format	Color
R _Y B	216, 229, 252
Decimal	14216444
CIE Lab	92.41, -3.40, -9.95
CIE LCh	92, 10.516, 251.139
Yxy	81.6181, 0.2904, 0.3123
Android (android.graphics.Color)	4292406524 (0xFFD8ECFC)
YUV	231.8440, 9.9369, -13.8952
Hunter-Lab	90.3427, -8.1465, -4.9031

Details

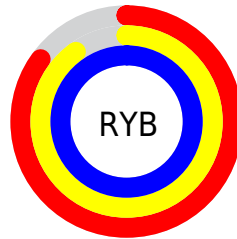
The Yxy color **81.6181, 0.2904, 0.3123** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.3922, 0.3369, 0.3451**, and the grayscale version is **80.5150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1597, 0.2857, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **71.8155, 0.2743, 0.2990**, and if you desaturate by 10%, it is **92.4216, 0.3062, 0.3243**.

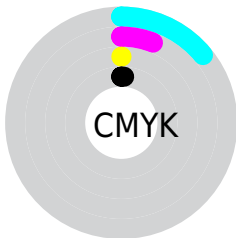
Distribution



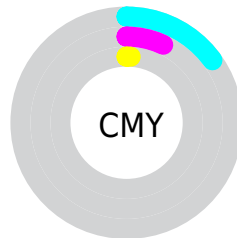
- Red (85%)
- Green (93%)
- Blue (99%)



- Red (85%)
- Yellow (90%)
- Blue (99%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (15%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6181, 0.2904, 0.3123 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 81.6181, 0.2904, 0.3123 by changing the saturation by 10% instead.

81.6181, 0.2904,
0.3123

81.6181, 0.2904,
0.3123

500.3694, 0.3005,
0.3199

61.0508, 0.2882,
0.3106

135.6383, 0.2938,
0.3149

44.2662, 0.2854,
0.3085

169.8600, 0.2952,
0.3159

30.8798, 0.2820,
0.3059

209.4020, 0.2964,
0.3168

20.5073, 0.2776,
0.3025

254.6486, 0.2974,
0.3176

12.7644, 0.2718,
0.2979

305.9842, 0.2983,
0.3183

7.2665, 0.2637,
0.2914

363.7933, 0.2991,

3.6293, 0.2516,

0.3189

0.2817

428.4602, 0.2998,
0.3194

■ 1.4684, 0.2317,
0.2652

■ 0.2664, 0.1196,
0.1873

■ 81.6181, 0.2904,
0.3123

■ 81.6181, 0.2904,
0.3123

■ 71.8155, 0.2743,
0.2990

■ 92.4216, 0.3062,
0.3243

■ 62.9695, 0.2582,
0.2845

99.8071, 0.3145,
0.3319

■ 55.0471, 0.2425,
0.2688

■ 48.0092, 0.2276,
0.2521

■ 41.8132, 0.2140,
0.2348

■ 36.4116, 0.2021,
0.2172

■ 31.7507, 0.1924,
0.1998

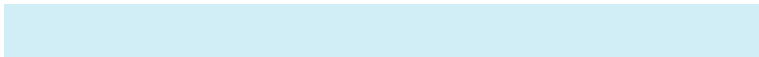
■ 27.7660, 0.1850,
0.1829

■ 25.7337, 0.1816,
0.1735

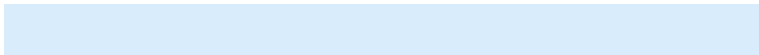
Harmonies

Analogous

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



81.6181, 0.2897, 0.3208



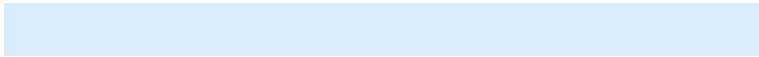
81.6181, 0.2904, 0.3123



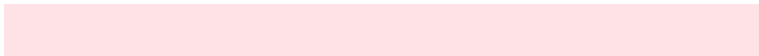
81.6181, 0.2970, 0.3084

Triad

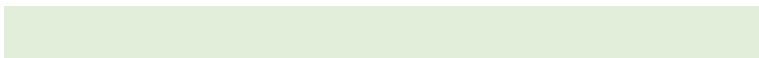
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6181, 0.2904, 0.3123



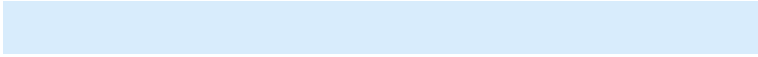
81.6181, 0.3307, 0.3259



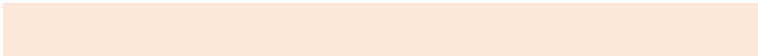
81.6181, 0.3172, 0.3490

Complementary

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



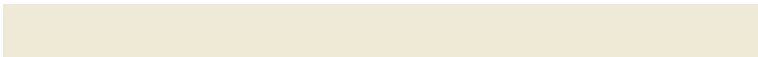
81.6181, 0.2904, 0.3123



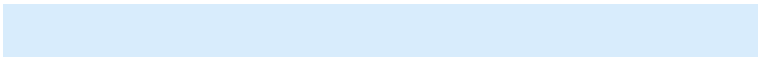
83.3922, 0.3369, 0.3451

Split Complementary

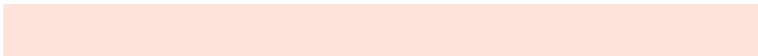
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6181, 0.3284, 0.3501



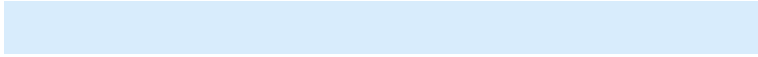
81.6181, 0.2904, 0.3123



81.6181, 0.3364, 0.3365

Square

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



81.6181, 0.2904, 0.3123



81.6181, 0.3202, 0.3163



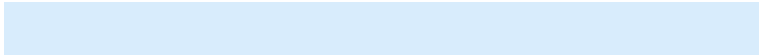
81.6181, 0.3355, 0.3454



81.6181, 0.3050, 0.3423

Rectangle

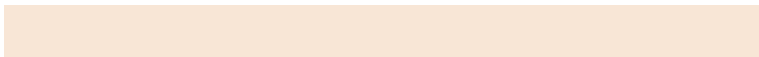
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6181, 0.2904, 0.3123



81.6181, 0.3039, 0.3088



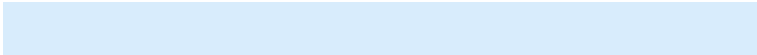
81.6181, 0.3355, 0.3454



81.6181, 0.3212, 0.3501

Sweetspot

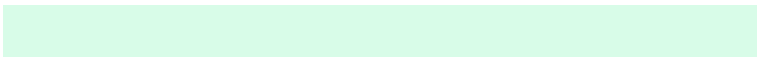
The Sweet Spot groups the original color and five complimentary colors.



81.6215, 0.2904, 0.3123



95.2541, 0.3066, 0.3246



90.0217, 0.3021, 0.3502



20.2013, 0.3054, 0.3237



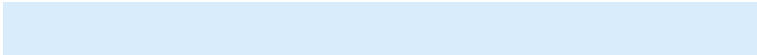
0.0000, 0.0000, 0.0000



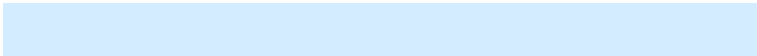
21.4041, 0.3127, 0.3290

Same Dimension

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



81.6215, 0.2904, 0.3123



80.9868, 0.2860, 0.3088



72.0128, 0.2898, 0.2935



18.2404, 0.2980, 0.3182



13.7061, 0.1823, 0.1763



1.4809, 0.1878, 0.1961

Inverse Universe

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



75.8890, 0.3252, 0.3091



74.2112, 0.3280, 0.3051



93.7673, 0.3345, 0.3622



17.3865, 0.3207, 0.3159



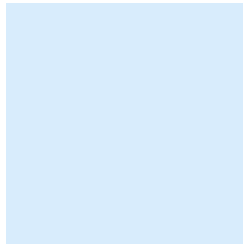
11.7945, 0.4730, 0.2379



1.1137, 0.4498, 0.2251

Previews

White Background



This preview shows how the Yxy color 81.6181, 0.2904, 0.3123 looks on a white background.

Color Contrast Check

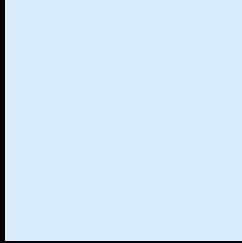
Large Text (above 18pt) WCAG AA × Fail

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 81.6181, 0.2904, 0.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

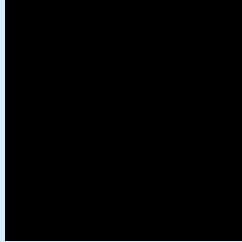
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

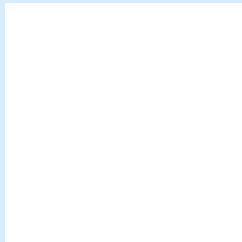
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6181, 0.2904, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 81.6181, 0.2904, 0.3123.



This preview shows how white text looks on a background with the Yxy color 81.6181, 0.2904, 0.3123.

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

81.6181, 0.2904, 0.3123

Protanopia

81.1472, 0.3022, 0.3106

Deuteranopia

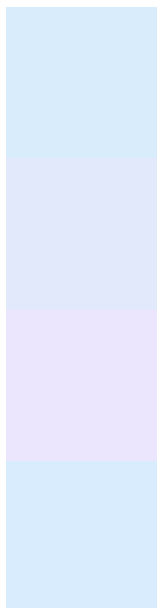
81.1413, 0.3086, 0.3013



Tritanopia

81.7456, 0.2892, 0.3103

Trichromacy



Original Color

81.6181, 0.2904, 0.3123

Protanomaly

81.3487, 0.2977, 0.3115

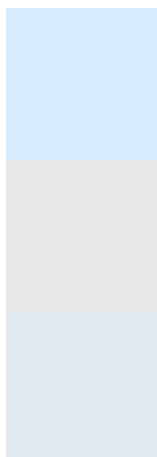
Deuteranomaly

81.3476, 0.3018, 0.3058

Tritanomaly

81.6817, 0.2898, 0.3113

Monochromacy



Original Color

81.6181, 0.2904, 0.3123

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.6786, 0.3043, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6181, 0.2904, 0.3123 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(216, 236, 252)` looks like.

```
.text, #text, p{  
    color:rgb(216, 236, 252)  
}
```

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(216, 236, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 236, 252) }
```

Border

The CSS property to change the border of an element to Yxy 81.6181, 0.2904, 0.3123 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(216, 236, 252) }
```

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

```
.border{ border-color:rgb(216, 236, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 236, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 236, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 236, 252);  
box-shadow:4px 4px 4px 4px rgb(216, 236,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6181, 0.2904, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 236, 252) }
```

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

```
.background{ background-color: rgb(216,  
236, 252) }
```

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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