

Converting Colors

$Yxy(82.1767, 0.2608, 0.2549)$

Have a look what the booklet for
Yxy(82.1767, 0.2608, 0.2549)
contains.

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Color

Yxy(78.2607, 0.2878, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	D7E6FF
RGB	215, 230, 255
RGB Percent	84%, 90%, 100%
CMY	0.1567, 0.0981, 0.0000
CMYK	0.16, 0.10, 0.00, 0.00
HSL	218°, 100%, 92%
HSV	218°, 16%, 100%
XYZ	74.3838, 78.2607, 105.8122
YIQ	228.3650, -16.9650, 4.5950

Conversions

Conversions Part 2

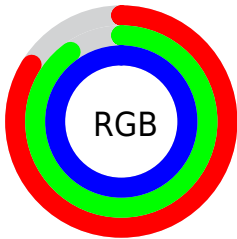
Format	Color
R _Y B	215, 226, 255
Decimal	14149375
CIE Lab	90.90, -0.00, -13.79
CIE LCh	91, 13.794, 269.995
Yxy	78.2607, 0.2878, 0.3028
Android (android.graphics.Color)	4292339455 (0xFFD7E6FF)
YUV	228.3650, 13.1311, -11.7211
Hunter-Lab	88.4651, -4.7262, -8.9906

Details

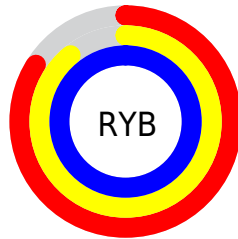
The Yxy color `78.2607, 0.2878, 0.3028` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88.5226, 0.3385, 0.3539`, and the grayscale version is `77.7812, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `42.2107, 0.2824, 0.2979` is the 20% darker color. If you saturate the color by 10%, you get `66.2160, 0.2708, 0.2836`, and if you desaturate by 10%, it is `91.7241, 0.3040, 0.3201`.

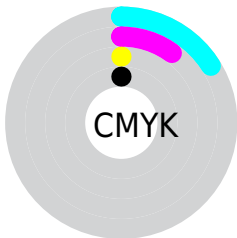
Distribution



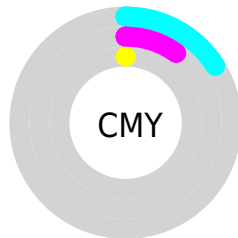
- Red (84%)
- Green (90%)
- Blue (100%)



- Red (84%)
- Yellow (89%)
- Blue (100%)



- Cyan (16%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2607, 0.2878, 0.3028 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 78.2607, 0.2878, 0.3028 by changing the saturation by 10% instead.

■ 78.2607, 0.2878,
0.3028

■ 78.2607, 0.2878,
0.3028

489.0517, 0.2991,
0.3147

■ 58.2882, 0.2853,
0.3001

130.9176, 0.2917,
0.3069

■ 42.0404, 0.2822,
0.2969

164.3707, 0.2932,
0.3085

■ 29.1329, 0.2783,
0.2928

203.0861, 0.2945,
0.3099

■ 19.1814, 0.2732,
0.2875

247.4482, 0.2957,
0.3111

■ 11.8014, 0.2665,
0.2804

297.8415, 0.2967,
0.3122

■ 6.6086, 0.2571,
0.2705

354.6502, 0.2976,

■ 3.2186, 0.2429,

0.3131

0.2556

418.2588, 0.2984,
0.3140

■ 1.2469, 0.2196,
0.2310

■ 0.0995, 0.0744,
0.0783

■ 78.2607, 0.2878,
0.3028

■ 78.2607, 0.2878,
0.3028

■ 66.2160, 0.2708,
0.2836

■ 91.7241, 0.3040,
0.3201

■ 55.5353, 0.2532,
0.2624

100.0000, 0.3127,
0.3290

■ 46.1678, 0.2355,
0.2396

■ 38.0570, 0.2183,
0.2156

■ 31.1418, 0.2023,
0.1911

■ 25.3551, 0.1882,
0.1669

■ 20.6211, 0.1767,
0.1440

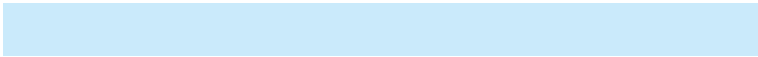
■ 16.8510, 0.1683,
0.1235

■ 15.4718, 0.1654,
0.1154

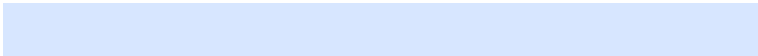
Harmonies

Analogous

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



78.2607, 0.2819, 0.3103



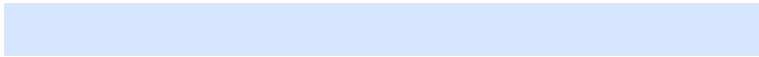
78.2607, 0.2878, 0.3028



78.2607, 0.3004, 0.3023

Triad

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



78.2607, 0.2878, 0.3028



78.2607, 0.3424, 0.3336



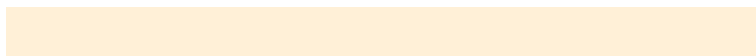
78.2607, 0.3083, 0.3509

Complementary

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



78.2607, 0.2878, 0.3028



88.5226, 0.3385, 0.3539

Split Complementary

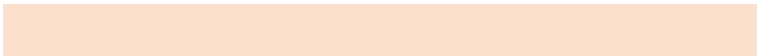
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2607, 0.3246, 0.3573



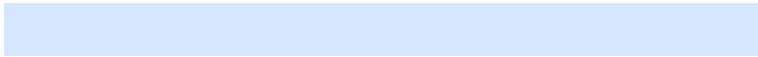
78.2607, 0.2878, 0.3028



78.2607, 0.3445, 0.3467

Square

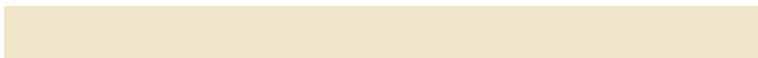
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2607, 0.2878, 0.3028



78.2607, 0.3321, 0.3198



78.2607, 0.3379, 0.3555



78.2607, 0.2935, 0.3382

Rectangle

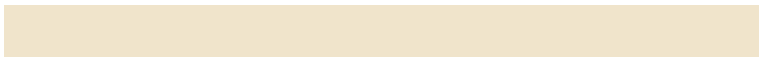
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2607, 0.2878, 0.3028



78.2607, 0.3110, 0.3057



78.2607, 0.3379, 0.3555



78.2607, 0.3138, 0.3539

Sweetspot

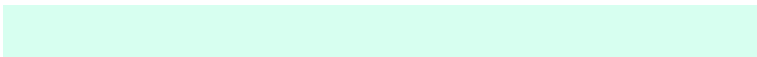
The Sweet Spot groups the original color and five complimentary colors.



78.2624, 0.2878, 0.3028



92.6745, 0.3050, 0.3212



92.2468, 0.2971, 0.3448



19.6221, 0.3039, 0.3200



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.



78.2624, 0.2878, 0.3028



74.0933, 0.2822, 0.2966



71.0152, 0.2903, 0.2871



18.4907, 0.2979, 0.3137



8.3468, 0.1662, 0.1184



1.0141, 0.1725, 0.1409

Inverse Universe

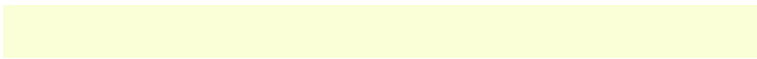
The Inverse Universe completely reimagines the original color for something new.



75.5976, 0.3317, 0.3141



71.0862, 0.3366, 0.3108



96.8154, 0.3333, 0.3684



18.0994, 0.3235, 0.3201



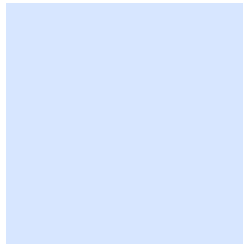
11.5706, 0.5489, 0.2797



1.1469, 0.5179, 0.2627

Previews

White Background



This preview shows how the Yxy color 78.2607, 0.2878, 0.3028 looks on a white background.

Color Contrast Check

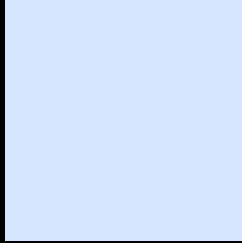
Large Text (above 18pt) WCAG AA × Fail

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 78.2607, 0.2878, 0.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

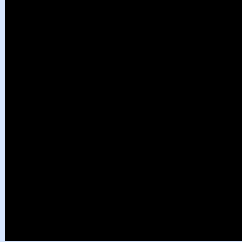
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

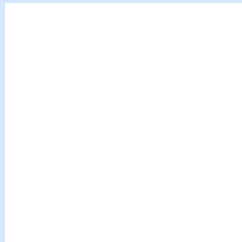
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2607, 0.2878, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 78.2607, 0.2878, 0.3028.



This preview shows how white text looks on a background with the Yxy color 78.2607, 0.2878, 0.3028.

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

78.2607, 0.2878, 0.3028

Protanopia

78.1988, 0.2959, 0.3022

Deuteranopia

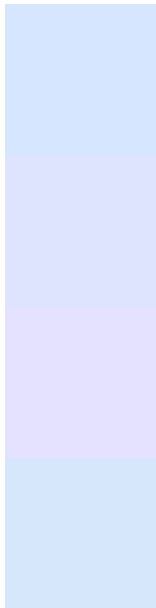
77.9999, 0.3019, 0.2968



Tritanopia

78.2875, 0.2907, 0.3100

Trichromacy



Original Color

78.2607, 0.2878, 0.3028

Protanomaly

78.1722, 0.2927, 0.3021

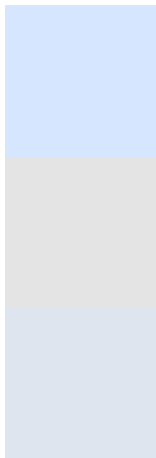
Deuteranomaly

78.2707, 0.2966, 0.2994

Tritanomaly

78.4130, 0.2895, 0.3079

Monochromacy



Original Color

78.2607, 0.2878, 0.3028

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.8996, 0.3030, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2607, 0.2878, 0.3028 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(215, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 230, 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(215, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.2607, 0.2878, 0.3028 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(215, 230, 255) }
```

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

```
.border{ border-color:rgb(215, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2607, 0.2878, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 230, 255) }
```

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

```
.background{ background-color: rgb(215,  
230, 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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