

Converting Colors

$Yxy(80.1902, 0.2904, 0.3093)$

Have a look what the booklet for
Yxy(80.1902, 0.2904, 0.3093)
contains.

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Color

Yxy(79.9050, 0.2902, 0.3091)

Conversions

Conversions Part 1

Format	Color
Hex	D8E9FC
RGB	216, 233, 252
RGB Percent	85%, 91%, 99%
CMY	0.1532, 0.0862, 0.0117
CMYK	0.14, 0.08, 0.00, 0.01
HSL	212°, 86%, 92%
HSV	212°, 14%, 99%
XYZ	75.0192, 79.9050, 103.5844
YIQ	230.0830, -16.2310, 2.3050

Conversions

Conversions Part 2

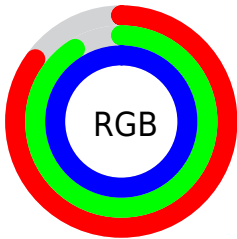
Format	Color
R _{YB}	216, 228, 252
Decimal	14215676
CIE _{Lab}	91.64, -1.90, -11.11
CIE _{LCh}	92, 11.273, 260.308
Yxy	79.9050, 0.2902, 0.3091
Android (android.graphics.Color)	4292405756 (0xFFD8E9FC)
YUV	230.0830, 10.8051, -12.3508
Hunter-Lab	89.3896, -6.6277, -6.1323

Details

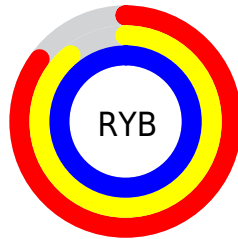
The Yxy color **79.9050, 0.2902, 0.3091** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0456, 0.3366, 0.3481**, and the grayscale version is **79.1196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.9615, 0.2855, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **69.1230, 0.2737, 0.2933**, and if you desaturate by 10%, it is **91.8480, 0.3061, 0.3233**.

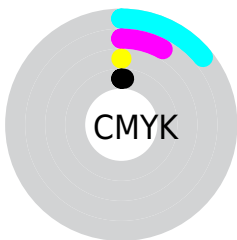
Distribution



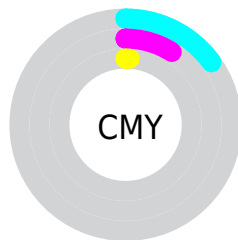
- Red (85%)
- Green (91%)
- Blue (99%)



- Red (85%)
- Yellow (89%)
- Blue (99%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (15%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9050, 0.2902, 0.3091 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 79.9050, 0.2902, 0.3091 by changing the saturation by 10% instead.

■ 79.9050, 0.2902,
0.3091

■ 79.9050, 0.2902,
0.3091

494.6126, 0.3004,
0.3182

■ 59.6402, 0.2879,
0.3071

133.2322, 0.2937,
0.3122

■ 43.1287, 0.2851,
0.3046

167.0633, 0.2951,
0.3134

■ 29.9861, 0.2817,
0.3014

206.1853, 0.2962,
0.3145

■ 19.8280, 0.2772,
0.2974

250.9826, 0.2973,
0.3154

■ 12.2701, 0.2712,
0.2919

301.8396, 0.2982,
0.3162

■ 6.9279, 0.2628,
0.2843

359.1407, 0.2990,

■ 3.4171, 0.2502,

0.3169

0.2727

423.2702, 0.2997,
0.3176

■ 1.3531, 0.2295,
0.2533

■ 0.1818, 0.0986,
0.1417

■ 79.9050, 0.2902,
0.3091

■ 79.9050, 0.2902,
0.3091

■ 69.1230, 0.2737,
0.2933

■ 91.8480, 0.3061,
0.3233

■ 59.4528, 0.2570,
0.2759

99.8099, 0.3144,
0.3318

■ 50.8563, 0.2404,
0.2571

■ 43.2889, 0.2244,
0.2371

■ 36.7020, 0.2096,
0.2164

■ 31.0423, 0.1965,
0.1956

■ 26.2494, 0.1857,
0.1752

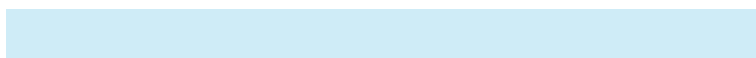
■ 22.2520, 0.1775,
0.1560

■ 20.2828, 0.1738,
0.1457

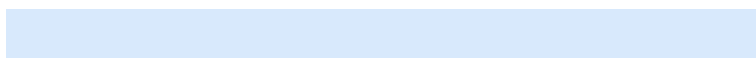
Harmonies

Analogous

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



79.9050, 0.2874, 0.3169



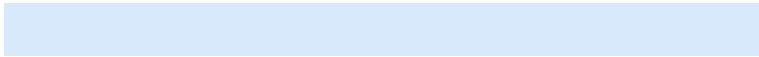
79.9050, 0.2902, 0.3091



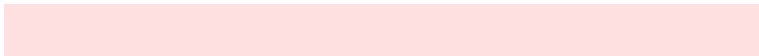
79.9050, 0.2990, 0.3067

Triad

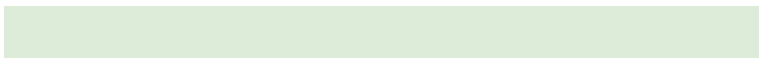
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9050, 0.2902, 0.3091



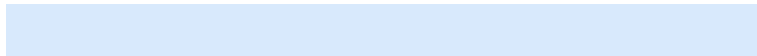
79.9050, 0.3347, 0.3291



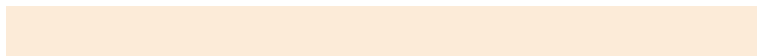
79.9050, 0.3135, 0.3490

Complementary

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



79.9050, 0.2902, 0.3091



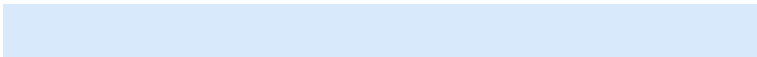
85.0456, 0.3366, 0.3481

Split Complementary

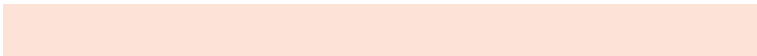
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9050, 0.3263, 0.3521



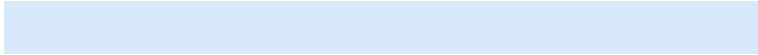
79.9050, 0.2902, 0.3091



79.9050, 0.3387, 0.3403

Square

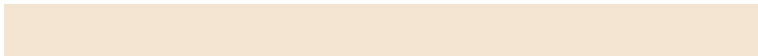
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9050, 0.2902, 0.3091



79.9050, 0.3247, 0.3182



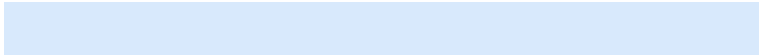
79.9050, 0.3356, 0.3488



79.9050, 0.3007, 0.3402

Rectangle

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



79.9050, 0.2902, 0.3091



79.9050, 0.3071, 0.3083



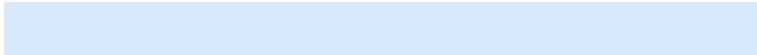
79.9050, 0.3356, 0.3488



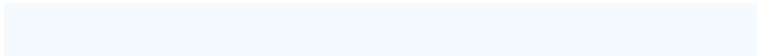
79.9050, 0.3179, 0.3508

Sweetspot

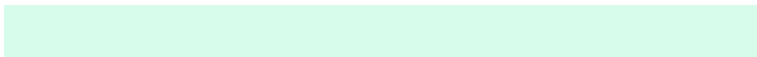
The Sweet Spot groups the original color and five complimentary colors.



79.9083, 0.2902, 0.3091



94.7357, 0.3066, 0.3238



90.2017, 0.3004, 0.3471



20.0701, 0.3054, 0.3228



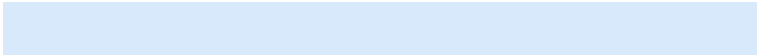
0.0000, 0.0000, 0.0000



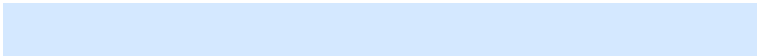
21.4041, 0.3127, 0.3290

Same Dimension

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



79.9083, 0.2902, 0.3091



78.9693, 0.2858, 0.3050



70.7966, 0.2900, 0.2908



17.9976, 0.2980, 0.3162



10.8535, 0.1746, 0.1487



1.2157, 0.1808, 0.1709

Inverse Universe

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



75.6685, 0.3273, 0.3119



74.0075, 0.3305, 0.3085



95.1798, 0.3338, 0.3646



17.3620, 0.3219, 0.3178



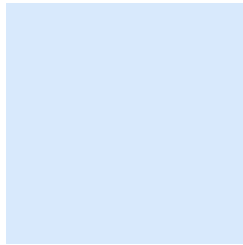
11.5066, 0.5076, 0.2570



1.0870, 0.4795, 0.2415

Previews

White Background



This preview shows how the Yxy color 79.9050, 0.2902, 0.3091 looks on a white background.

Color Contrast Check

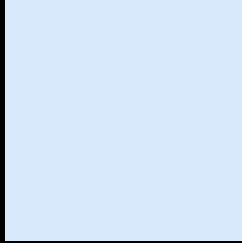
Large Text (above 18pt) WCAG AA × Fail

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 79.9050, 0.2902, 0.3091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

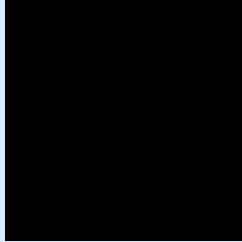
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

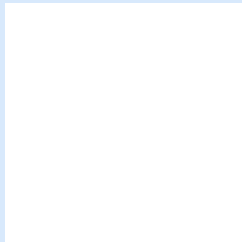
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.9050, 0.2902, 0.3091

Background



This preview shows how black text looks on a background with the Yxy color 79.9050, 0.2902, 0.3091.



This preview shows how white text looks on a background with the Yxy color 79.9050, 0.2902, 0.3091.

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

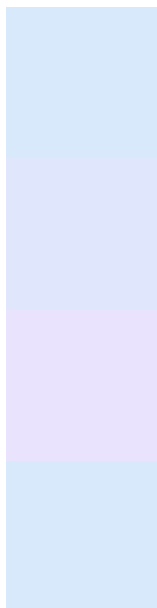




Tritanopia

79.9050, 0.2902, 0.3091

Trichromacy



Original Color

79.9050, 0.2902, 0.3091

Protanomaly

79.4060, 0.2958, 0.3073

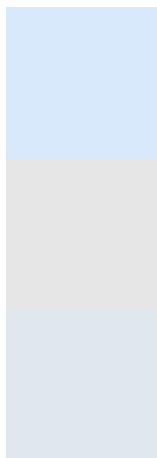
Deuteranomaly

79.3537, 0.3005, 0.3026

Tritanomaly

79.9050, 0.2902, 0.3091

Monochromacy



Original Color

79.9050, 0.2902, 0.3091

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.3324, 0.3043, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9050, 0.2902, 0.3091 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, 233, 252)` looks like.

```
.text, #text, p{  
    color:rgb(216, 233, 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, 233, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 233, 252) }
```

Border

The CSS property to change the border of an element to Yxy 79.9050, 0.2902, 0.3091 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, 233, 252) }
```

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

```
.border{ border-color:rgb(216, 233, 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, 233, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 233, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 233, 252);  
box-shadow:4px 4px 4px 4px rgb(216, 233,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9050, 0.2902, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 233, 252) }
```

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

```
.background{ background-color: rgb(216,  
233, 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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