

Converting Colors

Yxy(61.6742, 0.2417, 0.2828)

Have a look what the booklet for
Yxy(61.6742, 0.2417, 0.2828)
contains.

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Color

Yxy(61.4826, 0.2415, 0.2823)

Conversions

Conversions Part 1

Format	Color
Hex	87D8FF
RGB	135, 216, 255
RGB Percent	53%, 85%, 100%
CMY	0.4706, 0.1529, 0.0000
CMYK	0.47, 0.15, 0.00, 0.00
HSL	199°, 100%, 76%
HSV	199°, 47%, 100%
XYZ	52.5967, 61.4826, 103.7124
YIQ	196.2270, -60.7950, -5.0430

Conversions

Conversions Part 2

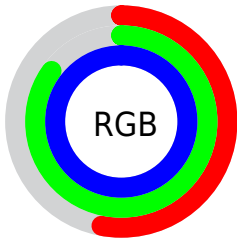
Format	Color
RYB	135, 183, 255
Decimal	8902911
CIELab	82.64, -14.66, -26.72
CIELCh	83, 30.478, 241.239
Yxy	61.4826, 0.2415, 0.2823
Android (android.graphics.Color)	4287092991 (0xFF87D8FF)
YUV	196.2270, 28.9751, -53.6961
Hunter-Lab	78.4108, -17.4841, -23.5341

Details

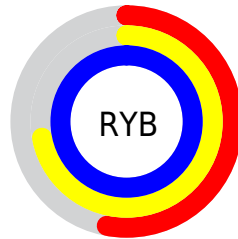
The Yxy color **61.4826, 0.2415, 0.2823** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.2738, 0.4218, 0.3699**, and the grayscale version is **55.1942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **31.1035, 0.2252, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **55.4773, 0.2285, 0.2703**, and if you desaturate by 10%, it is **68.2114, 0.2557, 0.2937**.

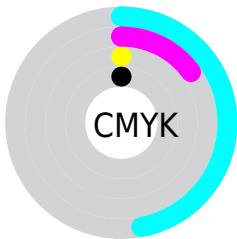
Distribution



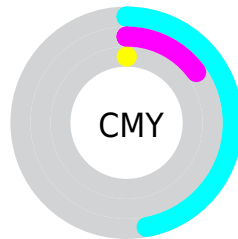
- Red (53%)
- Green (85%)
- Blue (100%)



- Red (53%)
- Yellow (72%)
- Blue (100%)



- Cyan (47%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.4826, 0.2415, 0.2823 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 61.4826, 0.2415, 0.2823 by changing the saturation by 10% instead.


 61.4826, 0.2415,
0.2823


 61.4826, 0.2415,
0.2823


430.0413, 0.2744,
0.3049


 44.6148, 0.2341,
0.2770


 106.9774, 0.2529,
0.2903

 31.1541, 0.2250,
0.2703


 136.3731, 0.2573,
0.2934

 20.7162, 0.2135,
0.2617


 170.7136, 0.2611,
0.2960

 12.9167, 0.1989,
0.2503

210.3833, 0.2645,
0.2983

 7.3712, 0.1795,
0.2347

255.7665, 0.2674,
0.3002

 3.6953, 0.1529,
0.2121

307.2476, 0.2700,

 1.5046, 0.1154,

0.3020

0.1774

365.2111, 0.2723,
0.3035

■ 0.2920, 0.0000,
0.0952

■ 0.0000, 0.0000,
0.0000

■ 61.4826, 0.2415,
0.2823

■ 61.4826, 0.2415,
0.2823

■ 55.4773, 0.2285,
0.2703

■ 68.2114, 0.2557,
0.2937

■ 50.1511, 0.2172,
0.2579

■ 75.6955, 0.2707,
0.3044

■ 45.4607, 0.2077,
0.2453

■ 83.9695, 0.2862,
0.3142

■ 41.3537, 0.2003,
0.2328

■ 93.0645, 0.3018,
0.3232

■ 37.7641, 0.1949,
0.2205

100.0000, 0.3127,
0.3290

■ 36.7804, 0.1936,
0.2169

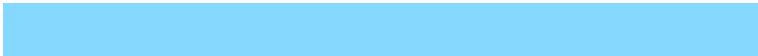
Harmonies

Analogous

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



61.4826, 0.2451, 0.3117



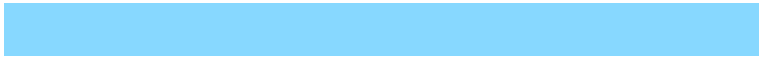
61.4826, 0.2415, 0.2823



61.4826, 0.2553, 0.2674

Triad

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



61.4826, 0.2415, 0.2823



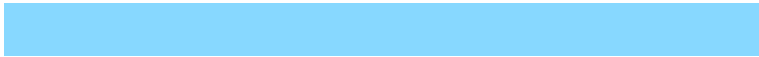
61.4826, 0.3604, 0.3081



61.4826, 0.3381, 0.3985

Complementary

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



61.4826, 0.2415, 0.2823



53.2738, 0.4218, 0.3699

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.



61.4826, 0.3713, 0.3924



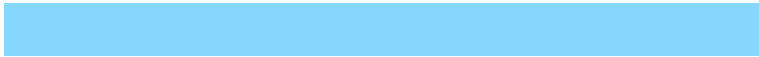
61.4826, 0.2415, 0.2823



61.4826, 0.3853, 0.3391

Square

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



61.4826, 0.2415, 0.2823



61.4826, 0.3227, 0.2828



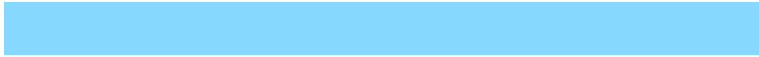
61.4826, 0.3891, 0.3698



61.4826, 0.2994, 0.3827

Rectangle

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



61.4826, 0.2415, 0.2823



61.4826, 0.2732, 0.2662



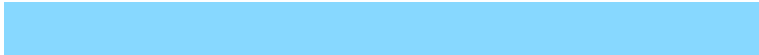
61.4826, 0.3891, 0.3698



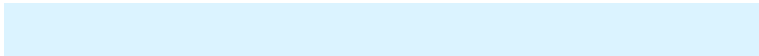
61.4826, 0.3503, 0.3988

Sweetspot

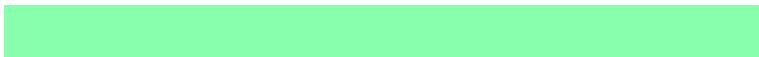
The Sweet Spot groups the original color and five complimentary colors.



61.4841, 0.2415, 0.2823



86.6677, 0.2909, 0.3171



79.6865, 0.2879, 0.4306



18.1421, 0.2876, 0.3151



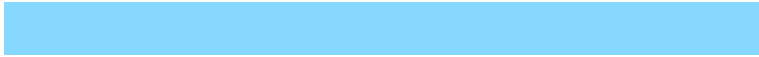
0.0000, 0.0000, 0.0000



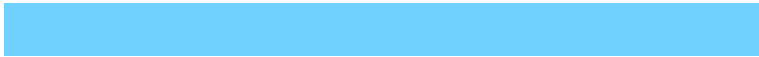
21.4041, 0.3127, 0.3290

Same Dimension

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



61.4841, 0.2415, 0.2823



56.0834, 0.2299, 0.2716



36.4799, 0.2277, 0.2071



19.4280, 0.2980, 0.3211



19.5018, 0.1942, 0.2189



2.0977, 0.1980, 0.2329

Inverse Universe

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



43.5423, 0.3541, 0.2475



37.4763, 0.3653, 0.2339



81.2853, 0.3920, 0.4262



18.1941, 0.3188, 0.3131



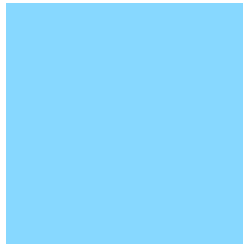
12.6967, 0.4244, 0.2112



1.2563, 0.4096, 0.2030

Previews

White Background



This preview shows how the Yxy color 61.4826, 0.2415, 0.2823 looks on a white background.

Color Contrast Check

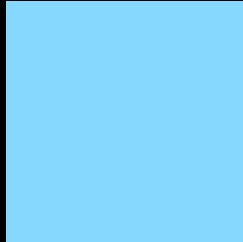
Large Text (above 18pt) WCAG AA × Fail

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 61.4826, 0.2415, 0.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

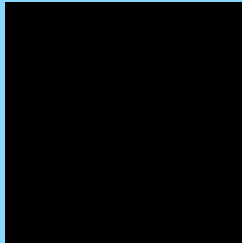
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.4826, 0.2415, 0.2823

Background



This preview shows how black text looks on a background with the Yxy color 61.4826, 0.2415, 0.2823.

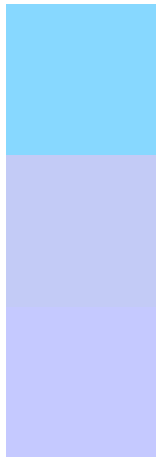


This preview shows how white text looks on a background with the Yxy color 61.4826, 0.2415, 0.2823.

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

61.4826, 0.2415, 0.2823

Protanopia

60.9678, 0.2785, 0.2807

Deuteranopia

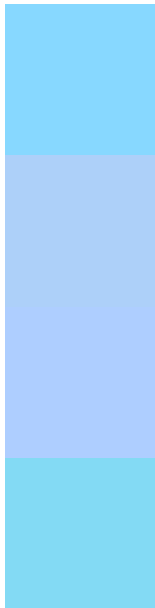
60.8636, 0.2743, 0.2694



Tritanopia

61.4446, 0.2478, 0.3065

Trichromacy



Original Color

61.4826, 0.2415, 0.2823

Protanomaly

60.8355, 0.2633, 0.2815

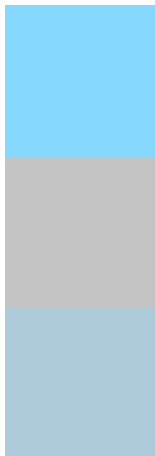
Deuteranomaly

60.3613, 0.2603, 0.2729

Tritanomaly

61.4998, 0.2452, 0.2970

Monochromacy



Original Color

61.4826, 0.2415, 0.2823

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.7203, 0.2822, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4826, 0.2415, 0.2823 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(135, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 216, 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(135, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.4826, 0.2415, 0.2823 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(135, 216, 255) }
```

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

```
.border{ border-color:rgb(135, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4826, 0.2415, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 216, 255) }
```

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

```
.background{ background-color: rgb(135,  
216, 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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