

Converting Colors

$Yxy(61.7782, 0.2347, 0.3001)$

Have a look what the booklet for
Yxy(61.7782, 0.2347, 0.3001)
contains.

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Color

Yxy(61.7782, 0.2347, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	68DEF5
RGB	104, 222, 245
RGB Percent	41%, 87%, 96%
CMY	0.5920, 0.1294, 0.0392
CMYK	0.58, 0.09, 0.00, 0.04
HSL	190°, 88%, 68%
HSV	190°, 58%, 96%
XYZ	48.3150, 61.7782, 95.7655
YIQ	189.3400, -77.7110, -17.8630

Conversions

Conversions Part 2

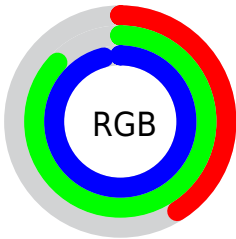
Format	Color
RYB	104, 168, 245
Decimal	6872821
CIELab	82.80, -26.80, -21.29
CIELCh	83, 34.225, 218.457
Yxy	61.7782, 0.2347, 0.3001
Android (android.graphics.Color)	4285062901 (0xFF68DEF5)
YUV	189.3400, 27.4404, -74.8432
Hunter-Lab	78.5991, -27.8241, -17.2198

Details

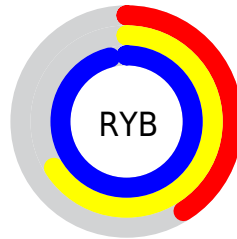
The Yxy color **61.7782, 0.2347, 0.3001** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.6046, 0.4736, 0.3531**, and the grayscale version is **50.9742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **31.5057, 0.2167, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **58.4216, 0.2258, 0.2942**, and if you desaturate by 10%, it is **65.6156, 0.2454, 0.3058**.

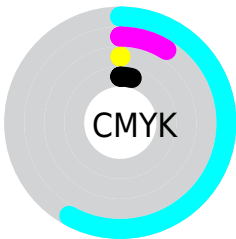
Distribution



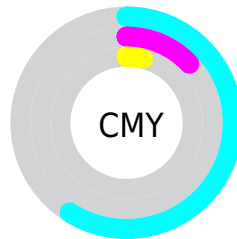
- Red (41%)
- Green (87%)
- Blue (96%)



- Red (41%)
- Yellow (66%)
- Blue (96%)



- Cyan (58%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (59%)
- Magenta (13%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7782, 0.2347, 0.3001 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 61.7782, 0.2347, 0.3001 by changing the saturation by 10% instead.

 61.7782, 0.2347,
0.3001

 61.7782, 0.2347,
0.3001


431.1216, 0.2706,
0.3148

 44.8535, 0.2266,
0.2964


 107.4049, 0.2471,
0.3055

 31.3421, 0.2167,
0.2917


 136.8757, 0.2519,
0.3075

 20.8595, 0.2043,
0.2856


 171.2973, 0.2561,
0.3092

 13.0213, 0.1884,
0.2771

211.0542, 0.2598,
0.3106

 7.4432, 0.1673,
0.2650

256.5306, 0.2630,
0.3119

 3.7408, 0.1387,
0.2465

308.1111, 0.2658,

 1.5297, 0.0978,

0.3130

366.1799, 0.2684,
0.3140

0.2161

0.3095, 0.0000,
0.1281

0.0000, 0.0000,
0.0000

61.7782, 0.2347,
0.3001

61.7782, 0.2347,
0.3001

58.4216, 0.2258,
0.2942

65.6156, 0.2454,
0.3058

55.5005, 0.2187,
0.2883

69.9607, 0.2578,
0.3113

52.9722, 0.2137,
0.2824

74.8463, 0.2713,
0.3165

50.7770, 0.2104,
0.2766

80.3004, 0.2859,
0.3214

■ 50.2647, 0.2098,
0.2752

■ 86.3487, 0.3010,
0.3259

■ 93.0156, 0.3166,
0.3300

■ 96.2163, 0.3188,
0.3338

■ 98.7275, 0.3186,
0.3376

■ 99.3728, 0.3185,
0.3386

Harmonies

Analogous

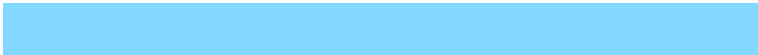
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.7782, 0.2531, 0.3413



61.7782, 0.2347, 0.3001



61.7782, 0.2355, 0.2711

Triad

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



61.7782, 0.2347, 0.3001



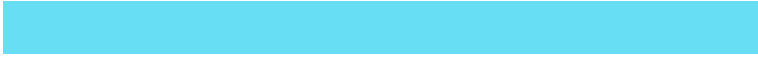
61.7782, 0.3345, 0.2834



61.7782, 0.3702, 0.4037

Complementary

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



61.7782, 0.2347, 0.3001



35.6046, 0.4736, 0.3531

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.



61.7782, 0.3955, 0.3813



61.7782, 0.2347, 0.3001



61.7782, 0.3747, 0.3134

Square

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



61.7782, 0.2347, 0.3001



61.7782, 0.2904, 0.2640



61.7782, 0.3976, 0.3483



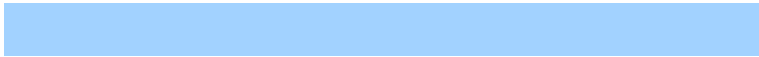
61.7782, 0.3304, 0.4054

Rectangle

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



61.7782, 0.2347, 0.3001



61.7782, 0.2466, 0.2611



61.7782, 0.3976, 0.3483



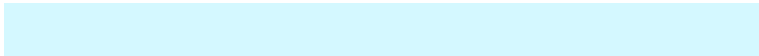
61.7782, 0.3808, 0.3980

Sweetspot

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



61.7805, 0.2347, 0.3001



88.2540, 0.2866, 0.3216



69.7379, 0.2953, 0.4893



18.6202, 0.2836, 0.3207



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.



61.7805, 0.2347, 0.3001



63.4325, 0.2245, 0.2933



32.4455, 0.2144, 0.2067



18.2703, 0.2980, 0.3250



27.2517, 0.2100, 0.2761



2.5153, 0.2121, 0.2835

Inverse Universe

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



34.5964, 0.3418, 0.2119



32.3659, 0.3492, 0.1955



59.7434, 0.4241, 0.4236



16.7191, 0.3163, 0.3094



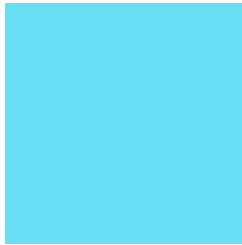
12.8504, 0.3670, 0.1796



1.1416, 0.3603, 0.1758

Previews

White Background



This preview shows how the Yxy color 61.7782, 0.2347, 0.3001 looks on a white background.

Color Contrast Check

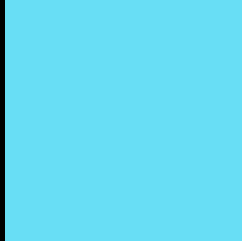
Large Text (above 18pt) WCAG AA × Fail

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 61.7782, 0.2347, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

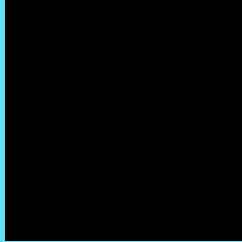
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.7782, 0.2347, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 61.7782, 0.2347, 0.3001.

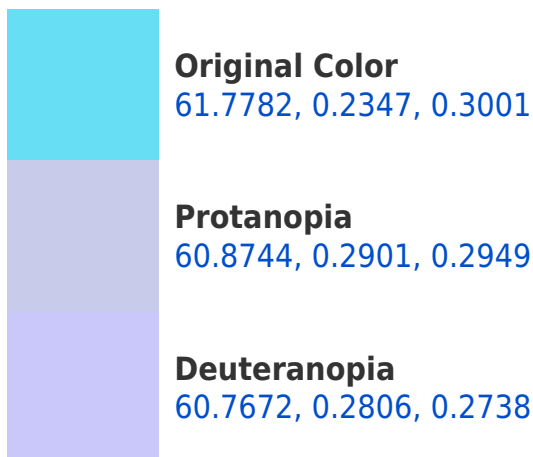


This preview shows how white text looks on a background with the Yxy color 61.7782, 0.2347, 0.3001.

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

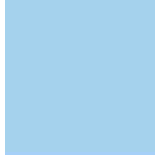
61.9510, 0.2359, 0.3061

Trichromacy



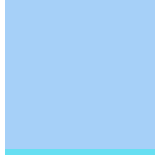
Original Color

61.7782, 0.2347, 0.3001



Protanomaly

60.2069, 0.2653, 0.2966



Deuteranomaly

59.9961, 0.2596, 0.2821



Tritanomaly

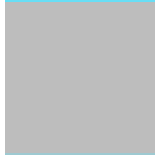
62.0697, 0.2359, 0.3050

Monochromacy



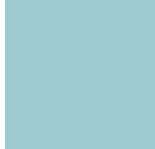
Original Color

61.7782, 0.2347, 0.3001



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.6458, 0.2762, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7782, 0.2347, 0.3001 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(104, 222, 245)` looks like.

```
.text, #text, p{  
    color:rgb(104, 222, 245)  
}
```

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(104, 222, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 222, 245) }
```

Border

The CSS property to change the border of an element to Yxy 61.7782, 0.2347, 0.3001 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(104, 222, 245) }
```

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

```
.border{ border-color:rgb(104, 222, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 222, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 222, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 222, 245);  
box-shadow:4px 4px 4px 4px rgb(104, 222,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7782, 0.2347, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 222, 245) }
```

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

```
.background{ background-color: rgb(104,  
222, 245) }
```

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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