

Converting Colors

$Yxy(61.6649, 0.2346, 0.2852)$

Have a look what the booklet for
Yxy(61.6649, 0.2346, 0.2852)
contains.

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Color

Yxy(61.6649, 0.2346, 0.2852)

Conversions

Conversions Part 1

Format	Color
Hex	75DBFF
RGB	117, 219, 255
RGB Percent	46%, 86%, 100%
CMY	0.5408, 0.1412, 0.0000
CMYK	0.54, 0.14, 0.00, 0.00
HSL	196°, 100%, 73%
HSV	196°, 54%, 100%
XYZ	50.7244, 61.6649, 103.8271
YIQ	192.6060, -72.3480, -10.4280

Conversions

Conversions Part 2

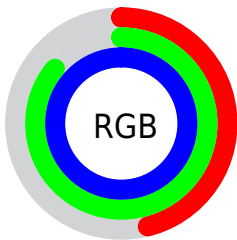
Format	Color
R _Y B	117, 176, 255
Decimal	7724031
CIE Lab	82.73, -20.01, -26.62
CIE LCh	83, 33.307, 233.065
Yxy	61.6649, 0.2346, 0.2852
Android (android.graphics.Color)	4285914111 (0xFF75DBFF)
YUV	192.6060, 30.7602, -66.3065
Hunter-Lab	78.5270, -22.1205, -23.4233

Details

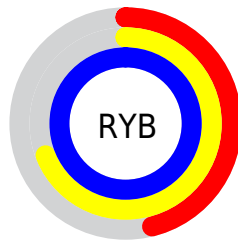
The Yxy color **61.6649, 0.2346, 0.2852** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.3549, 0.4509, 0.3661**, and the grayscale version is **52.9463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **31.2811, 0.2166, 0.2740** is the 20% darker color. If you saturate the color by 10%, you get **56.7296, 0.2236, 0.2755**, and if you desaturate by 10%, it is **67.2247, 0.2471, 0.2945**.

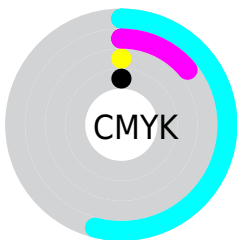
Distribution



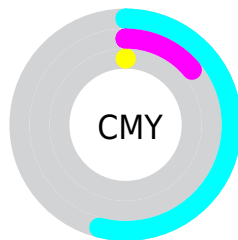
- Red (46%)
- Green (86%)
- Blue (100%)



- Red (46%)
- Yellow (69%)
- Blue (100%)



- Cyan (54%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (54%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.6649, 0.2346, 0.2852 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 61.6649, 0.2346, 0.2852 by changing the saturation by 10% instead.

 61.6649, 0.2346,
0.2852


 61.6649, 0.2346,
0.2852

430.7077, 0.2705,
0.3067

 44.7620, 0.2265,
0.2800


 107.2411, 0.2470,
0.2929

 31.2700, 0.2167,
0.2736


 136.6831, 0.2518,
0.2958

 20.8045, 0.2044,
0.2652


 171.0737, 0.2560,
0.2983

 12.9812, 0.1886,
0.2541

210.7971, 0.2596,
0.3004

 7.4156, 0.1680,
0.2387

256.2378, 0.2628,
0.3023

 3.7233, 0.1400,
0.2161

307.7802, 0.2657,

 1.5200, 0.1015,

0.3039

0.1813

365.8087, 0.2682,
0.3054

■ 0.3028, 0.0000,
0.0981

■ 0.0000, 0.0000,
0.0000

■ 61.6649, 0.2346,
0.2852

■ 61.6649, 0.2346,
0.2852

■ 56.7296, 0.2236,
0.2755

■ 67.2247, 0.2471,
0.2945

■ 52.3703, 0.2145,
0.2656

■ 73.4392, 0.2609,
0.3034

■ 48.5412, 0.2074,
0.2557

■ 80.3445, 0.2756,
0.3117

■ 45.1836, 0.2024,
0.2459

■ 87.9718, 0.2909,
0.3194

■ 43.3698, 0.2001,
0.2402

■ 96.3499, 0.3064,
0.3263

■ 99.9993, 0.3127,
0.3290

Harmonies

Analogous

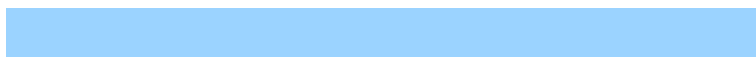
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.6649, 0.2436, 0.3207



61.6649, 0.2346, 0.2852



61.6649, 0.2445, 0.2647

Triad

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



61.6649, 0.2346, 0.2852



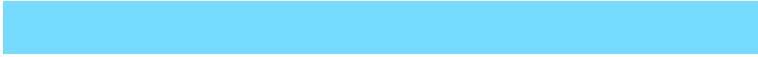
61.6649, 0.3543, 0.2978



61.6649, 0.3511, 0.4055

Complementary

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



61.6649, 0.2346, 0.2852



45.3549, 0.4509, 0.3661

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.



61.6649, 0.3838, 0.3926



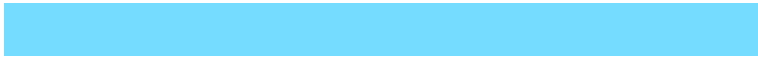
61.6649, 0.2346, 0.2852



61.6649, 0.3867, 0.3302

Square

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



61.6649, 0.2346, 0.2852



61.6649, 0.3115, 0.2732



61.6649, 0.3975, 0.3643



61.6649, 0.3093, 0.3951

Rectangle

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



61.6649, 0.2346, 0.2852



61.6649, 0.2609, 0.2605



61.6649, 0.3975, 0.3643



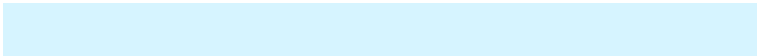
61.6649, 0.3635, 0.4035

Sweetspot

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



61.6672, 0.2346, 0.2852



86.4585, 0.2879, 0.3180



77.5543, 0.2897, 0.4611



18.1629, 0.2848, 0.3164



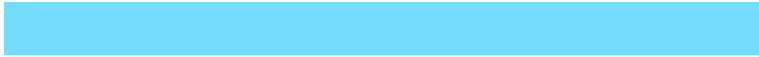
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



61.6672, 0.2346, 0.2852



56.3105, 0.2227, 0.2746



33.3227, 0.2163, 0.1972



19.6317, 0.2980, 0.3226



22.9193, 0.2005, 0.2418



2.4091, 0.2036, 0.2529

Inverse Universe

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



39.1156, 0.3534, 0.2289



33.1865, 0.3648, 0.2136



74.0015, 0.4089, 0.4312



18.2146, 0.3178, 0.3116



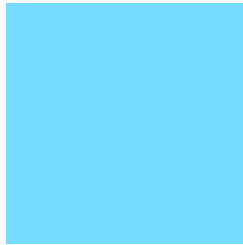
13.0417, 0.4005, 0.1980



1.2877, 0.3893, 0.1918

Previews

White Background



This preview shows how the Yxy color 61.6649, 0.2346, 0.2852 looks on a white background.

Color Contrast Check

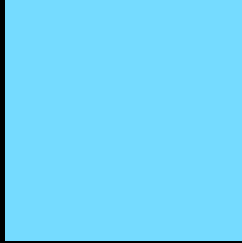
Large Text (above 18pt) WCAG AA × Fail

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 61.6649, 0.2346, 0.2852 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 61.6649, 0.2346, 0.2852

Background



This preview shows how black text looks on a background with the Yxy color 61.6649, 0.2346, 0.2852.

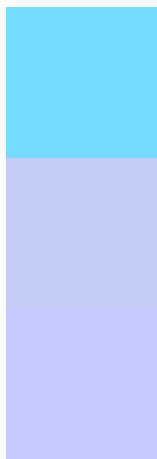


This preview shows how white text looks on a background with the Yxy color 61.6649, 0.2346, 0.2852.

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

61.6649, 0.2346, 0.2852

Protanopia

60.9793, 0.2804, 0.2828

Deuteranopia

60.8636, 0.2743, 0.2694



Tritanopia

61.9133, 0.2394, 0.3063

Trichromacy



Original Color

61.6649, 0.2346, 0.2852



Protanomaly

60.5937, 0.2604, 0.2834



Deuteranomaly

60.6566, 0.2571, 0.2748



Tritanomaly

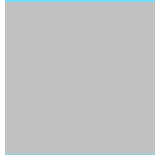
61.8162, 0.2378, 0.2991

Monochromacy



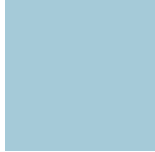
Original Color

61.6649, 0.2346, 0.2852



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.1983, 0.2766, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6649, 0.2346, 0.2852 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(117, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 219, 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(117, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.6649, 0.2346, 0.2852 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(117, 219, 255) }
```

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

```
.border{ border-color:rgb(117, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6649, 0.2346, 0.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 219, 255) }
```

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

```
.background{ background-color: rgb(117,  
219, 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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