

Converting Colors

$Yxy(64.4587, 0.2295, 0.2739)$

Have a look what the booklet for
Yxy(64.4587, 0.2295, 0.2739)
contains.

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Color

Yxy(63.7773, 0.2356, 0.2902)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 75DFFF |
| RGB | 117, 223, 255 |
| RGB Percent | 46%, 87%, 100% |
| CMY | 0.5411, 0.1255, 0.0000 |
| CMYK | 0.54, 0.13, 0.00, 0.00 |
| HSL | 194°, 100%, 73% |
| HSV | 194°, 54%, 100% |
| XYZ | 51.7778, 63.7773, 104.2150 |
| YIQ | 194.9540, -73.4480, -12.5200 |

Conversions

Conversions Part 2

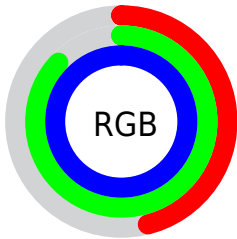
| Format | Color |
|-------------------------------------|--|
| RYB | 117, 177, 255 |
| Decimal | 7725055 |
| CIELab | 83.85, -22.03, -24.95 |
| CIElCh | 84, 33.281, 228.550 |
| Yxy | 63.7773, 0.2356, 0.2902 |
| Android (android.graphics.Color) | 4285915135 (0xFF75DFFF) |
| YUV | 194.9540, 29.6027, -68.3657 |
| Hunter-Lab | 79.8607, -24.0254, -21.4686 |

Details

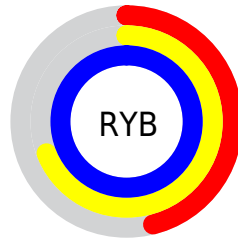
The Yxy color **63.7773, 0.2356, 0.2902** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.0418, 0.4537, 0.3620**, and the grayscale version is **54.3984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **32.7354, 0.2184, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **59.1402, 0.2251, 0.2817**, and if you desaturate by 10%, it is **69.0063, 0.2478, 0.2985**.

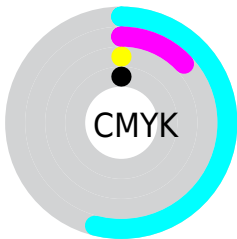
Distribution



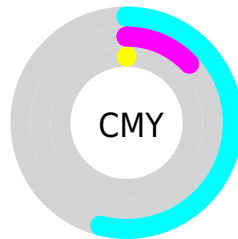
- Red (46%)
- Green (87%)
- Blue (100%)



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



- Cyan (54%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (54%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7773, 0.2356, 0.2902 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 63.7773, 0.2356, 0.2902 by changing the saturation by 10% instead.


 63.7773, 0.2356,
0.2902


 63.7773, 0.2356,
0.2902


438.3850, 0.2709,
0.3093

 46.4703, 0.2277,
0.2856


 110.2901, 0.2477,
0.2970

 32.6171, 0.2181,
0.2798


 140.2648, 0.2525,
0.2996

 21.8333, 0.2061,
0.2723


 175.2308, 0.2566,
0.3018

 13.7345, 0.1908,
0.2623

215.5726, 0.2602,
0.3038

 7.9362, 0.1707,
0.2484

261.6745, 0.2633,
0.3054

 4.0542, 0.1435,
0.2279

313.9209, 0.2661,

 1.7039, 0.1060,

0.3069

0.1959

372.6963, 0.2686,
0.3082

0.4262, 0.0000,
0.1313

0.0000, 0.0000,
0.0000

63.7773, 0.2356,
0.2902

63.7773, 0.2356,
0.2902

59.1402, 0.2251,
0.2817

69.0063, 0.2478,
0.2985

55.0530, 0.2164,
0.2731

74.8630, 0.2613,
0.3063

51.4682, 0.2098,
0.2644

81.3810, 0.2757,
0.3136

48.3279, 0.2051,
0.2557

88.5909, 0.2909,
0.3204

■ 46.6394, 0.2030,
0.2507

■ 96.5213, 0.3063,
0.3266

100.0000, 0.3127,
0.3290

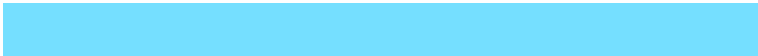
Harmonies

Analogous

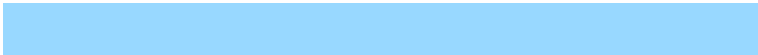
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.7773, 0.2473, 0.3269



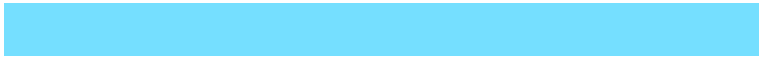
63.7773, 0.2356, 0.2902



63.7773, 0.2426, 0.2674

Triad

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



63.7773, 0.2356, 0.2902



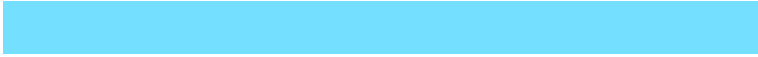
63.7773, 0.3478, 0.2939



63.7773, 0.3563, 0.4040

Complementary

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



63.7773, 0.2356, 0.2902



44.0418, 0.4537, 0.3620

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.



63.7773, 0.3864, 0.3884



63.7773, 0.2356, 0.2902



63.7773, 0.3822, 0.3252

Square

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



63.7773, 0.2356, 0.2902



63.7773, 0.3052, 0.2711



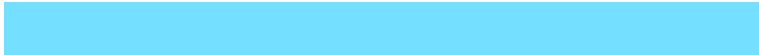
63.7773, 0.3964, 0.3591



63.7773, 0.3157, 0.3974

Rectangle

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



63.7773, 0.2356, 0.2902



63.7773, 0.2572, 0.2615



63.7773, 0.3964, 0.3591



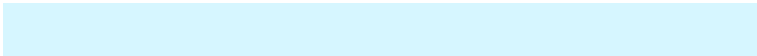
63.7773, 0.3681, 0.4009

Sweetspot

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



63.7776, 0.2356, 0.2902



87.1774, 0.2880, 0.3192



77.4060, 0.2918, 0.4671



18.3354, 0.2849, 0.3178



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.



63.7776, 0.2356, 0.2902



58.7569, 0.2242, 0.2810



34.8147, 0.2175, 0.2030



19.7251, 0.2980, 0.3234



24.6088, 0.2034, 0.2521



2.5611, 0.2061, 0.2619

Inverse Universe

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



39.3120, 0.3493, 0.2254



33.4335, 0.3592, 0.2096



71.6061, 0.4116, 0.4272



18.2241, 0.3174, 0.3109



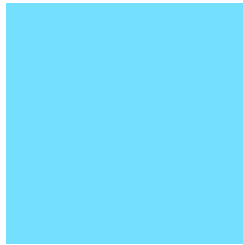
13.2122, 0.3901, 0.1923



1.3031, 0.3805, 0.1870

Previews

White Background



This preview shows how the Yxy color 63.7773, 0.2356, 0.2902 looks on a white background.

Color Contrast Check

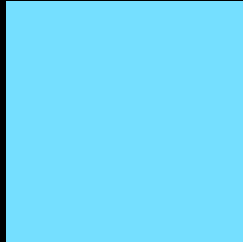
Large Text (above 18pt) WCAG AA × Fail

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 63.7773, 0.2356, 0.2902 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 63.7773, 0.2356, 0.2902

Background



This preview shows how black text looks on a background with the Yxy color 63.7773, 0.2356, 0.2902.



This preview shows how white text looks on a background with the Yxy color 63.7773, 0.2356, 0.2902.

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

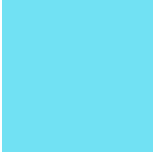
63.7773, 0.2356, 0.2902

Protanopia

63.0312, 0.2846, 0.2878

Deuteranopia

62.9623, 0.2778, 0.2733



Tritanopia

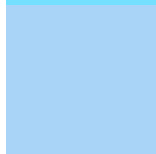
63.8322, 0.2397, 0.3065

Trichromacy



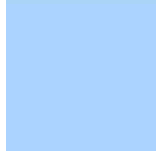
Original Color

63.7773, 0.2356, 0.2902



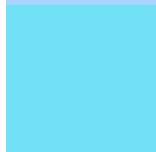
Protanomaly

62.3484, 0.2631, 0.2883



Deuteranomaly

62.4665, 0.2593, 0.2786



Tritanomaly

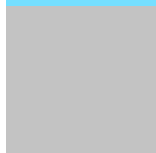
63.6041, 0.2381, 0.3006

Monochromacy



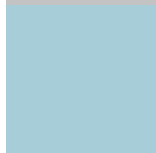
Original Color

63.7773, 0.2356, 0.2902



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

56.8879, 0.2776, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7773, 0.2356, 0.2902 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, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 223, 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, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.7773, 0.2356, 0.2902 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, 223, 255) }
```

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

```
.border{ border-color:rgb(117, 223, 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, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7773, 0.2356, 0.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 223, 255) }
```

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

```
.background{ background-color: rgb(117,  
223, 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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