

Converting Colors

$Yxy(63.4556, 0.2365, 0.2891)$

Have a look what the booklet for
Yxy(63.4556, 0.2365, 0.2891)
contains.

Yxy(63.4556, 0.2365, 0.2891)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.4556, 0.2365, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	78DEFF
RGB	120, 222, 255
RGB Percent	47%, 87%, 100%
CMY	0.5297, 0.1294, 0.0000
CMYK	0.53, 0.13, 0.00, 0.00
HSL	195°, 100%, 74%
HSV	195°, 53%, 100%
XYZ	51.9102, 63.4556, 104.1278
YIQ	195.2640, -71.3850, -11.3610

Conversions

Conversions Part 2

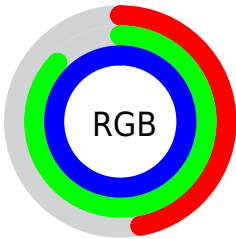
Format	Color
RYB	120, 178, 255
Decimal	7921407
CIELab	83.68, -20.96, -25.18
CIELCh	84, 32.761, 230.228
Yxy	63.4556, 0.2365, 0.2891
Android (android.graphics.Color)	4286111487 (0xFF78DEFF)
YUV	195.2640, 29.4498, -66.0065
Hunter-Lab	79.6590, -23.0828, -21.7407

Details

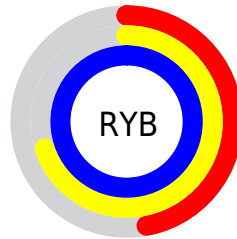
The Yxy color **63.4556, 0.2365, 0.2891** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.3695, 0.4483, 0.3632**, and the grayscale version is **54.5826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **32.4989, 0.2194, 0.2792** is the 20% darker color. If you saturate the color by 10%, you get **58.6241, 0.2256, 0.2801**, and if you desaturate by 10%, it is **68.8979, 0.2490, 0.2978**.

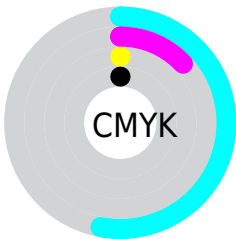
Distribution



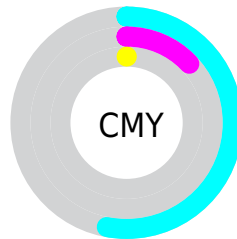
- Red (47%)
- Green (87%)
- Blue (100%)



- Red (47%)
- Yellow (70%)
- Blue (100%)



- Cyan (53%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4556, 0.2365, 0.2891 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 63.4556, 0.2365, 0.2891 by changing the saturation by 10% instead.


 63.4556, 0.2365,
0.2891


 63.4556, 0.2365,
0.2891


437.2211, 0.2714,
0.3087


 46.2099, 0.2287,
0.2844


 109.8265, 0.2485,
0.2961

 32.4115, 0.2191,
0.2785


 139.7205, 0.2532,
0.2988

 21.6760, 0.2072,
0.2709


 174.5994, 0.2573,
0.3010

 13.6190, 0.1920,
0.2607

214.8476, 0.2608,
0.3030

 7.8562, 0.1720,
0.2465

260.8495, 0.2639,
0.3047

 4.0030, 0.1450,
0.2257

312.9894, 0.2667,

 1.6753, 0.1074,

0.3062

0.1933

371.6518, 0.2692,
0.3075

■ 0.4076, 0.0000,
0.1266

■ 0.0000, 0.0000,
0.0000

■ 63.4556, 0.2365,
0.2891

■ 63.4556, 0.2365,
0.2891

■ 58.6241, 0.2256,
0.2801

■ 68.8979, 0.2490,
0.2978

■ 54.3575, 0.2165,
0.2710

■ 74.9825, 0.2627,
0.3060

■ 50.6107, 0.2095,
0.2618

■ 81.7440, 0.2774,
0.3137

■ 47.3268, 0.2044,
0.2526

■ 89.2131, 0.2926,
0.3207

■ 45.2377, 0.2018,
0.2463

■ 97.4182, 0.3081,
0.3272

100.0000, 0.3127,
0.3290

Harmonies

Analogous

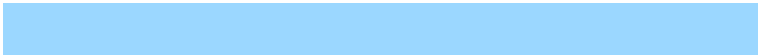
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.4556, 0.2470, 0.3247



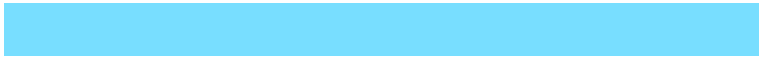
63.4556, 0.2365, 0.2891



63.4556, 0.2445, 0.2675

Triad

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



63.4556, 0.2365, 0.2891



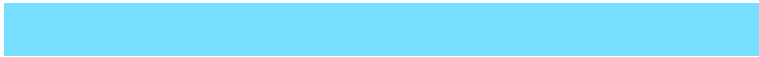
63.4556, 0.3496, 0.2959



63.4556, 0.3537, 0.4032

Complementary

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



63.4556, 0.2365, 0.2891



45.3695, 0.4483, 0.3632

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.



63.4556, 0.3842, 0.3889



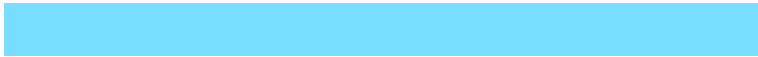
63.4556, 0.2365, 0.2891



63.4556, 0.3826, 0.3271

Square

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



63.4556, 0.2365, 0.2891



63.4556, 0.3076, 0.2728



63.4556, 0.3953, 0.3606



63.4556, 0.3134, 0.3952

Rectangle

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



63.4556, 0.2365, 0.2891



63.4556, 0.2595, 0.2622



63.4556, 0.3953, 0.3606



63.4556, 0.3655, 0.4006

Sweetspot

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



63.4573, 0.2365, 0.2891



86.8727, 0.2880, 0.3187



77.7569, 0.2910, 0.4607



18.2623, 0.2848, 0.3172



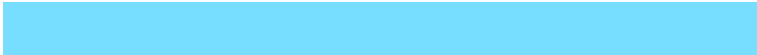
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



63.4573, 0.2365, 0.2891



58.1587, 0.2246, 0.2792



34.9675, 0.2190, 0.2033



19.6856, 0.2980, 0.3231



23.8839, 0.2022, 0.2478



2.4961, 0.2050, 0.2581

Inverse Universe

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



39.9505, 0.3500, 0.2287



33.7933, 0.3606, 0.2125



73.2675, 0.4081, 0.4274



18.2201, 0.3176, 0.3112



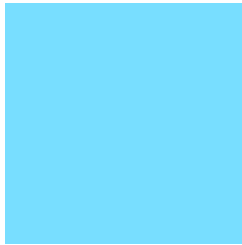
13.1391, 0.3944, 0.1947



1.2965, 0.3842, 0.1890

Previews

White Background



This preview shows how the Yxy color 63.4556, 0.2365, 0.2891 looks on a white background.

Color Contrast Check

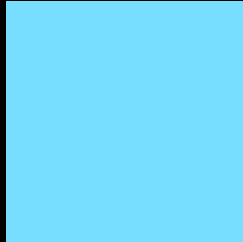
Large Text (above 18pt) WCAG AA × Fail

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 63.4556, 0.2365, 0.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

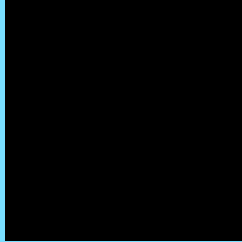
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.4556, 0.2365, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 63.4556, 0.2365, 0.2891.

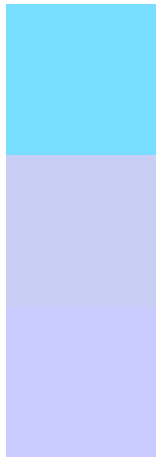


This preview shows how white text looks on a background with the Yxy color 63.4556, 0.2365, 0.2891.

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

63.4556, 0.2365, 0.2891

Protanopia

62.9536, 0.2833, 0.2866

Deuteranopia

62.9623, 0.2778, 0.2733



Tritanopia

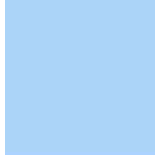
63.3670, 0.2407, 0.3065

Trichromacy



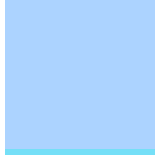
Original Color

63.4556, 0.2365, 0.2891



Protanomaly

62.5222, 0.2632, 0.2872



Deuteranomaly

62.5792, 0.2599, 0.2787



Tritanomaly

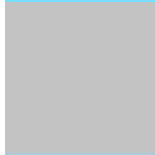
63.2727, 0.2390, 0.2994

Monochromacy



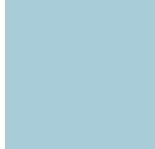
Original Color

63.4556, 0.2365, 0.2891



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

56.9972, 0.2783, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4556, 0.2365, 0.2891 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(120, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 222, 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(120, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.4556, 0.2365, 0.2891 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(120, 222, 255) }
```

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

```
.border{ border-color:rgb(120, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4556, 0.2365, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 222, 255) }
```

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

```
.background{ background-color: rgb(120,  
222, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor