

Converting Colors

$Yxy(44.4411, 0.2263, 0.2476)$

Have a look what the booklet for
Yxy(44.4411, 0.2263, 0.2476)
contains.

Yxy(44.4411, 0.2263, 0.2476)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.4411, 0.2263, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	70B8F7
RGB	112, 184, 247
RGB Percent	44%, 72%, 97%
CMY	0.5604, 0.2785, 0.0314
CMYK	0.55, 0.26, 0.00, 0.03
HSL	208°, 89%, 70%
HSV	208°, 55%, 97%
XYZ	40.6180, 44.4411, 94.4284
YIQ	169.6540, -63.1350, 4.3290

Conversions

Conversions Part 2

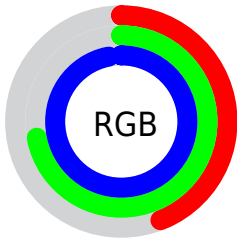
Format	Color
R _Y B	112, 159, 247
Decimal	7387383
CIE Lab	72.52, -4.95, -38.10
CIE LCh	73, 38.422, 262.601
Yxy	44.4411, 0.2263, 0.2476
Android (android.graphics.Color)	4285577463 (0xFF70B8F7)
YUV	169.6540, 38.1316, -50.5626
Hunter-Lab	66.6642, -7.9034, -37.3181

Details

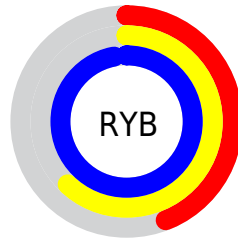
The Yxy color **44.4411, 0.2263, 0.2476** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.6410, 0.4336, 0.3954**, and the grayscale version is **39.8580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1981, 0.2636, 0.3123**, and **20.5311, 0.2042, 0.2262** is the 20% darker color. If you saturate the color by 10%, you get **38.4388, 0.2124, 0.2294**, and if you desaturate by 10%, it is **51.2818, 0.2415, 0.2651**.

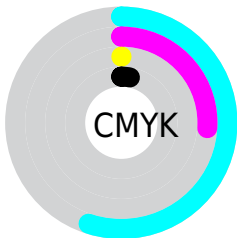
Distribution



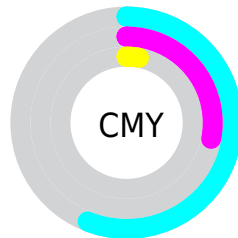
- Red (44%)
- Green (72%)
- Blue (97%)



- Red (44%)
- Yellow (62%)
- Blue (97%)



- Cyan (55%)
- Magenta (26%)
- Yellow (0%)
- Black (3%)



- Cyan (56%)
- Magenta (28%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4411, 0.2263, 0.2476 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 44.4411, 0.2263, 0.2476 by changing the saturation by 10% instead.

■ 44.4411, 0.2263,
0.2476

■ 44.4411, 0.2263,
0.2476

364.5053, 0.2681,
0.2876

■ 31.0174, 0.2165,
0.2381

■ 81.8811, 0.2410,
0.2618

■ 20.6121, 0.2043,
0.2261

■ 106.6662, 0.2467,
0.2673

■ 12.8408, 0.1889,
0.2109

■ 136.0072, 0.2516,
0.2719

■ 7.3190, 0.1688,
0.1908

170.2886, 0.2558,
0.2759

■ 3.6624, 0.1420,
0.1636

209.8947, 0.2594,
0.2794

■ 1.4866, 0.1060,
0.1261

255.2099, 0.2627,

■ 0.2792, 0.0284,

0.2824

0.0548

306.6186, 0.2655,
0.2851

0.0000, 0.0000,
0.0000

44.4411, 0.2263,
0.2476

44.4411, 0.2263,
0.2476

38.4388, 0.2124,
0.2294

51.2818, 0.2415,
0.2651

33.2235, 0.2003,
0.2109

58.9981, 0.2574,
0.2817

28.7439, 0.1903,
0.1927

67.6301, 0.2736,
0.2970

24.9368, 0.1828,
0.1751

77.2139, 0.2898,
0.3110

23.1212, 0.1795,
0.1660

87.7830, 0.3056,
0.3236

98.3532, 0.3175,
0.3350

99.4951, 0.3173,
0.3367

Harmonies

Analogous

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



44.4411, 0.2144, 0.2726



44.4411, 0.2263, 0.2476



44.4411, 0.2596, 0.2437

Triad

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



44.4411, 0.2263, 0.2476



44.4411, 0.4078, 0.3286



44.4411, 0.3081, 0.4163

Complementary

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



44.4411, 0.2263, 0.2476



51.6410, 0.4336, 0.3954

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.



44.4411, 0.3613, 0.4279



44.4411, 0.2263, 0.2476



44.4411, 0.4217, 0.3713

Square

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



44.4411, 0.2263, 0.2476



44.4411, 0.3652, 0.2888



44.4411, 0.4036, 0.4085



44.4411, 0.2587, 0.3732

Rectangle

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



44.4411, 0.2263, 0.2476



44.4411, 0.2917, 0.2518



44.4411, 0.4036, 0.4085



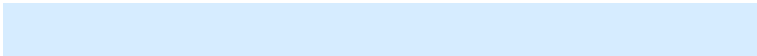
44.4411, 0.3262, 0.4241

Sweetspot

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



44.4427, 0.2263, 0.2476



81.5058, 0.2876, 0.3091



73.0661, 0.2758, 0.4225



16.9790, 0.2842, 0.3063



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.



44.4427, 0.2263, 0.2476



40.4398, 0.2105, 0.2266



22.7915, 0.2078, 0.1589



17.3893, 0.2980, 0.3177



12.5159, 0.1802, 0.1688



1.3057, 0.1862, 0.1904

Inverse Universe

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



34.8413, 0.3857, 0.2544



31.1784, 0.4095, 0.2432



84.7466, 0.3939, 0.4561



16.6302, 0.3210, 0.3165



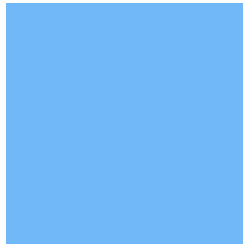
11.3629, 0.4821, 0.2429



1.0194, 0.4563, 0.2287

Previews

White Background



This preview shows how the Yxy color 44.4411, 0.2263, 0.2476 looks on a white background.

Color Contrast Check

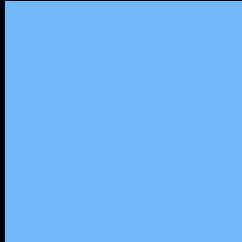
Large Text (above 18pt) WCAG AA × Fail

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 44.4411, 0.2263, 0.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

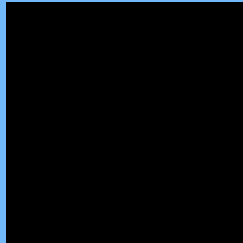
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

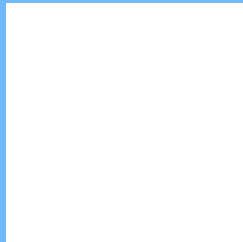
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4411, 0.2263, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 44.4411, 0.2263, 0.2476.

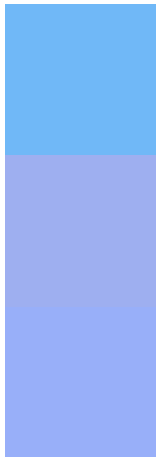


This preview shows how white text looks on a background with the Yxy color 44.4411, 0.2263, 0.2476.

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

44.4411, 0.2263, 0.2476

Protanopia

44.2203, 0.2537, 0.2485

Deuteranopia

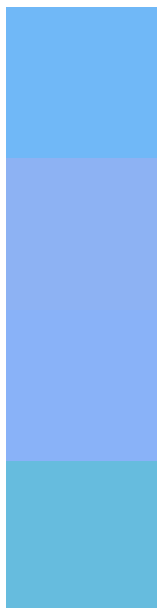
44.1749, 0.2449, 0.2384



Tritanopia

44.3080, 0.2404, 0.3058

Trichromacy



Original Color

44.4411, 0.2263, 0.2476

Protanomaly

43.9746, 0.2419, 0.2470

Deuteranomaly

43.9365, 0.2371, 0.2412

Tritanomaly

44.0651, 0.2343, 0.2818

Monochromacy



Original Color

44.4411, 0.2263, 0.2476

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.1267, 0.2740, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4411, 0.2263, 0.2476 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(112, 184, 247)` looks like.

```
.text, #text, p{  
    color:rgb(112, 184, 247)  
}
```

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(112, 184, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 184, 247) }
```

Border

The CSS property to change the border of an element to Yxy 44.4411, 0.2263, 0.2476 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(112, 184, 247) }
```

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

```
.border{ border-color:rgb(112, 184, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 184, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 184, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 184, 247);  
box-shadow:4px 4px 4px 4px rgb(112, 184,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4411, 0.2263, 0.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 184, 247) }
```

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

```
.background{ background-color: rgb(112,  
184, 247) }
```

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