

Converting Colors

$Y_{xy}(44.1822, 0.2265, 0.2469)$

Have a look what the booklet for
Yxy(44.1822, 0.2265, 0.2469)
contains.

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Color

Yxy(44.0931, 0.2264, 0.2463)

Conversions

Conversions Part 1

Format	Color
Hex	71B7F7
RGB	113, 183, 247
RGB Percent	44%, 72%, 97%
CMY	0.5571, 0.2823, 0.0312
CMYK	0.54, 0.26, 0.00, 0.03
HSL	209°, 89%, 71%
HSV	209°, 54%, 97%
XYZ	40.5306, 44.0931, 94.3983
YIQ	169.3660, -62.2640, 5.0640

Conversions

Conversions Part 2

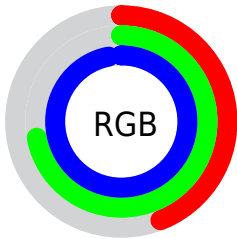
Format	Color
R _Y B	113, 159, 247
Decimal	7452663
CIE Lab	72.29, -4.22, -38.48
CIE LCh	72, 38.711, 263.742
Yxy	44.0931, 0.2264, 0.2463
Android (android.graphics.Color)	4285642743 (0xFF71B7F7)
YUV	169.3660, 38.2736, -49.4330
Hunter-Lab	66.4026, -7.2525, -37.8051

Details

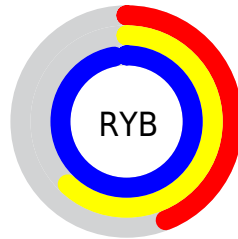
The Yxy color **44.0931, 0.2264, 0.2463** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.4059, 0.4317, 0.3965**, and the grayscale version is **39.6922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7237, 0.2639, 0.3112**, and **20.3113, 0.2044, 0.2245** is the 20% darker color. If you saturate the color by 10%, you get **38.0098, 0.2123, 0.2277**, and if you desaturate by 10%, it is **51.0332, 0.2417, 0.2642**.

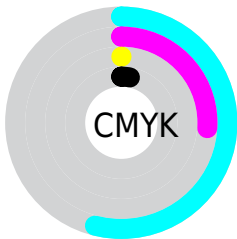
Distribution



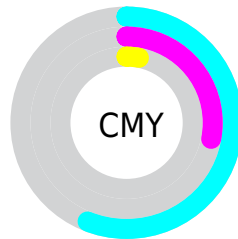
- Red (44%)
- Green (72%)
- Blue (97%)



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



- Cyan (54%)
- Magenta (26%)
- Yellow (0%)
- Black (3%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0931, 0.2264, 0.2463 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 44.0931, 0.2264, 0.2463 by changing the saturation by 10% instead.

■ 44.0931, 0.2264,
0.2463

■ 44.0931, 0.2264,
0.2463

■ 363.0881, 0.2682,
0.2869

■ 30.7437, 0.2166,
0.2366

■ 81.3578, 0.2412,
0.2607

■ 20.4038, 0.2044,
0.2245

■ 106.0419, 0.2468,
0.2663

■ 12.6889, 0.1889,
0.2091

■ 135.2731, 0.2517,
0.2710

■ 7.2147, 0.1687,
0.1888

■ 169.4356, 0.2559,
0.2750

■ 3.5967, 0.1419,
0.1614

■ 208.9140, 0.2596,
0.2786

■ 1.4506, 0.1057,
0.1236

■ 254.0926, 0.2628,

■ 0.2536, 0.0273,

0.2817

0.0501

305.3558, 0.2656,
0.2844

0.0000, 0.0000,
0.0000

44.0931, 0.2264,
0.2463

44.0931, 0.2264,
0.2463

38.0098, 0.2123,
0.2277

51.0332, 0.2417,
0.2642

32.7315, 0.2000,
0.2088

58.8678, 0.2578,
0.2811

28.2062, 0.1898,
0.1901

67.6377, 0.2741,
0.2968

24.3705, 0.1820,
0.1722

77.3794, 0.2903,
0.3111

22.4378, 0.1785,
0.1624

88.1269, 0.3061,
0.3239

98.7240, 0.3174,
0.3355

99.4976, 0.3173,
0.3366

Harmonies

Analogous

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



44.0931, 0.2136, 0.2707



44.0931, 0.2264, 0.2463



44.0931, 0.2607, 0.2432

Triad

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



44.0931, 0.2264, 0.2463



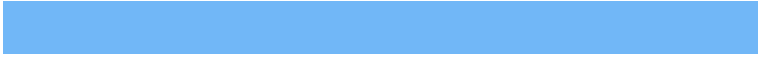
44.0931, 0.4099, 0.3302



44.0931, 0.3060, 0.4162

Complementary

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



44.0931, 0.2264, 0.2463



52.4059, 0.4317, 0.3965

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.



44.0931, 0.3598, 0.4292



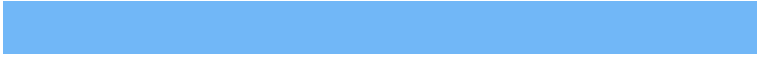
44.0931, 0.2264, 0.2463



44.0931, 0.4227, 0.3732

Square

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



44.0931, 0.2264, 0.2463



44.0931, 0.3677, 0.2898



44.0931, 0.4032, 0.4104



44.0931, 0.2565, 0.3716

Rectangle

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



44.0931, 0.2264, 0.2463



44.0931, 0.2935, 0.2518



44.0931, 0.4032, 0.4104



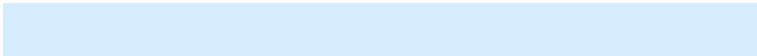
44.0931, 0.3242, 0.4245

Sweetspot

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



44.0947, 0.2264, 0.2463



81.2598, 0.2875, 0.3087



73.1661, 0.2759, 0.4218



16.9204, 0.2842, 0.3058



0.0000, 0.0000, 0.0000



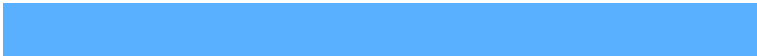
21.4041, 0.3127, 0.3290

Same Dimension

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



44.0947, 0.2264, 0.2463



40.3495, 0.2112, 0.2261



23.0445, 0.2085, 0.1601



17.3595, 0.2980, 0.3174



12.1495, 0.1793, 0.1653



1.2736, 0.1853, 0.1872

Inverse Universe

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



34.9981, 0.3867, 0.2562



31.5752, 0.4096, 0.2456



84.8134, 0.3935, 0.4555



16.6272, 0.3211, 0.3167



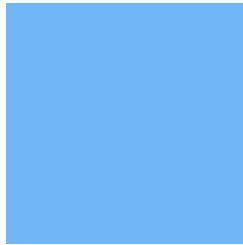
11.3259, 0.4865, 0.2454



1.0162, 0.4600, 0.2308

Previews

White Background



This preview shows how the Yxy color 44.0931, 0.2264, 0.2463 looks on a white background.

Color Contrast Check

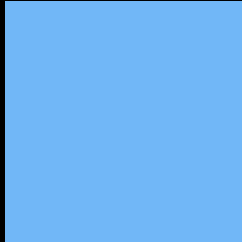
Large Text (above 18pt) WCAG AA × Fail

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 44.0931, 0.2264, 0.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

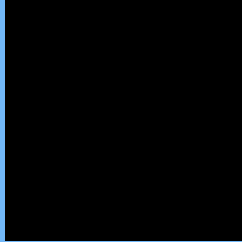
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

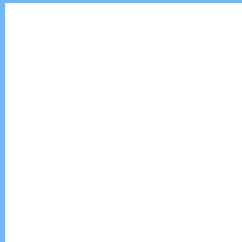
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.0931, 0.2264, 0.2463

Background



This preview shows how black text looks on a background with the Yxy color 44.0931, 0.2264, 0.2463.

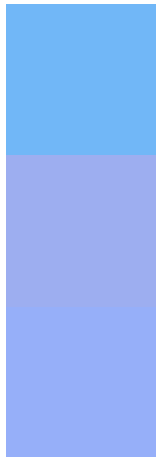


This preview shows how white text looks on a background with the Yxy color 44.0931, 0.2264, 0.2463.

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

44.0931, 0.2264, 0.2463

Protanopia

43.7315, 0.2529, 0.2470

Deuteranopia

43.9835, 0.2436, 0.2381



Tritanopia

44.3145, 0.2413, 0.3072

Trichromacy



Original Color

44.0931, 0.2264, 0.2463

Protanomaly

43.5781, 0.2417, 0.2456

Deuteranomaly

43.9365, 0.2371, 0.2412

Tritanomaly

44.0705, 0.2353, 0.2831

Monochromacy



Original Color

44.0931, 0.2264, 0.2463

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.6929, 0.2745, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0931, 0.2264, 0.2463 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(113, 183, 247)` looks like.

```
.text, #text, p{  
    color:rgb(113, 183, 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(113, 183, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 183, 247) }
```

Border

The CSS property to change the border of an element to Yxy 44.0931, 0.2264, 0.2463 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(113, 183, 247) }
```

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

```
.border{ border-color:rgb(113, 183, 247) }
```

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

Here you see how a box with a 4 pixel rgb(113, 183, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 183, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 183, 247);  
box-shadow:4px 4px 4px 4px rgb(113, 183,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0931, 0.2264, 0.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 183, 247) }
```

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

```
.background{ background-color: rgb(113,  
183, 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](#).

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