

Converting Colors

$Yxy(48.8423, 0.2255, 0.2512)$

Have a look what the booklet for
Yxy(48.8423, 0.2255, 0.2512)
contains.

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Color

Yxy(48.8047, 0.2254, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	70C1FF
RGB	112, 193, 255
RGB Percent	44%, 76%, 100%
CMY	0.5606, 0.2432, 0.0000
CMYK	0.56, 0.24, 0.00, 0.00
HSL	206°, 100%, 72%
HSV	206°, 56%, 100%
XYZ	43.8096, 48.8047, 101.7493
YIQ	175.8490, -68.1780, 2.1100

Conversions

Conversions Part 2

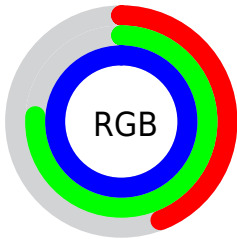
Format	Color
RYB	112, 164, 255
Decimal	7389695
CIELab	75.33, -7.43, -38.07
CIELCh	75, 38.787, 258.954
Yxy	48.8047, 0.2254, 0.2511
Android (android.graphics.Color)	4285579775 (0xFF70C1FF)
YUV	175.8490, 39.0214, -55.9956
Hunter-Lab	69.8604, -10.3180, -37.4517

Details

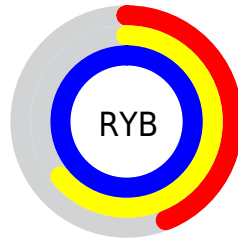
The Yxy color **48.8047, 0.2254, 0.2511** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.7199, 0.4412, 0.3922**, and the grayscale version is **43.1565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7420, 0.2653, 0.3223**, and **23.3470, 0.2041, 0.2317** is the 20% darker color. If you saturate the color by 10%, you get **42.6525, 0.2122, 0.2342**, and if you desaturate by 10%, it is **55.7949, 0.2400, 0.2675**.

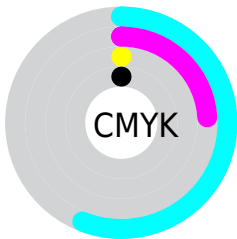
Distribution



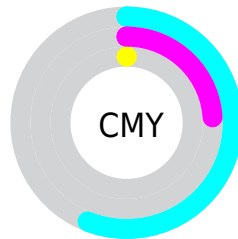
- Red (44%)
- Green (76%)
- Blue (100%)



- Red (44%)
- Yellow (64%)
- Blue (100%)



- Cyan (56%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8047, 0.2254, 0.2511 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 48.8047, 0.2254, 0.2511 by changing the saturation by 10% instead.

■ 48.8047, 0.2254,
0.2511

■ 48.8047, 0.2254,
0.2511

■ 381.9730, 0.2669,
0.2890

■ 34.4646, 0.2158,
0.2422

■ 88.4013, 0.2399,
0.2645

■ 23.2507, 0.2040,
0.2310

■ 114.4266, 0.2455,
0.2696

■ 14.7788, 0.1892,
0.2168

■ 145.1158, 0.2503,
0.2740

■ 8.6643, 0.1701,
0.1983

■ 180.8531, 0.2545,
0.2778

■ 4.5228, 0.1450,
0.1734

■ 222.0231, 0.2582,
0.2812

■ 1.9701, 0.1114,
0.1390

■ 269.0102, 0.2614,

■ 0.5900, 0.0568,

0.2841

0.0884

322.1987, 0.2643,
0.2867

■ 0.0000, 0.0000,
0.0000

■ 48.8047, 0.2254,
0.2511

■ 48.8047, 0.2254,
0.2511

■ 42.6525, 0.2122,
0.2342

■ 55.7949, 0.2400,
0.2675

■ 37.2911, 0.2009,
0.2171

■ 63.6690, 0.2555,
0.2829

■ 32.6636, 0.1918,
0.2001

■ 72.4667, 0.2715,
0.2973

■ 28.7015, 0.1849,
0.1837

■ 82.2253, 0.2875,
0.3105

■ 27.2877, 0.1826,
0.1775

■ 92.9797, 0.3033,
0.3224

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.



48.8047, 0.2164, 0.2783



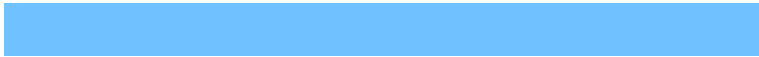
48.8047, 0.2254, 0.2511



48.8047, 0.2557, 0.2448

Triad

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



48.8047, 0.2254, 0.2511



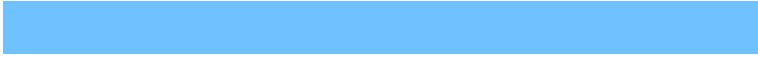
48.8047, 0.4019, 0.3237



48.8047, 0.3148, 0.4175

Complementary

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



48.8047, 0.2254, 0.2511



52.7199, 0.4412, 0.3922

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.



48.8047, 0.3663, 0.4249



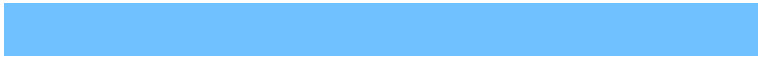
48.8047, 0.2254, 0.2511



48.8047, 0.4194, 0.3656

Square

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



48.8047, 0.2254, 0.2511



48.8047, 0.3578, 0.2854



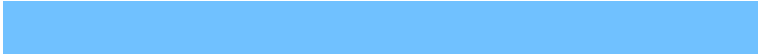
48.8047, 0.4054, 0.4032



48.8047, 0.2651, 0.3784

Rectangle

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



48.8047, 0.2254, 0.2511



48.8047, 0.2860, 0.2512



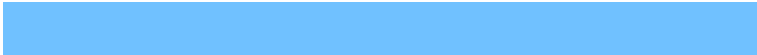
48.8047, 0.4054, 0.4032



48.8047, 0.3325, 0.4237

Sweetspot

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



48.8041, 0.2254, 0.2511



81.2700, 0.2860, 0.3093



78.0227, 0.2774, 0.4321



16.9626, 0.2828, 0.3067



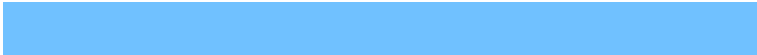
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



48.8041, 0.2254, 0.2511



42.1179, 0.2111, 0.2326



24.4804, 0.2058, 0.1592



19.0850, 0.2979, 0.3184



14.5610, 0.1834, 0.1801



1.6351, 0.1885, 0.1986

Inverse Universe

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



36.7065, 0.3831, 0.2482



30.9560, 0.4040, 0.2371



88.0197, 0.3982, 0.4555



18.1594, 0.3205, 0.3156



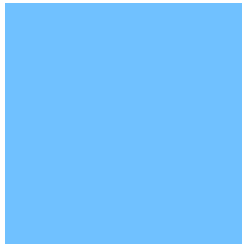
12.1979, 0.4684, 0.2354



1.2096, 0.4469, 0.2236

Previews

White Background



This preview shows how the Yxy color 48.8047, 0.2254, 0.2511 looks on a white background.

Color Contrast Check

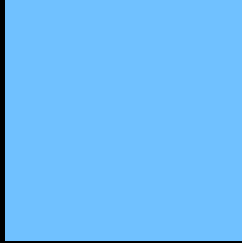
Large Text (above 18pt) WCAG AA × Fail

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 48.8047, 0.2254, 0.2511 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

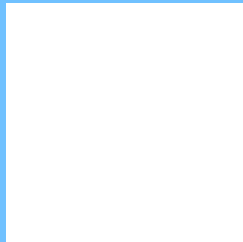
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8047, 0.2254, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 48.8047, 0.2254, 0.2511.



This preview shows how white text looks on a background with the Yxy color 48.8047, 0.2254, 0.2511.

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

48.8047, 0.2254, 0.2511

Protanopia

48.2783, 0.2562, 0.2511

Deuteranopia

48.6640, 0.2487, 0.2437



Tritanopia

48.8078, 0.2386, 0.3066

Trichromacy



Original Color

48.8047, 0.2254, 0.2511

Protanomaly

48.1309, 0.2430, 0.2506

Deuteranomaly

48.6003, 0.2390, 0.2464

Tritanomaly

48.4705, 0.2333, 0.2846

Monochromacy



Original Color

48.8047, 0.2254, 0.2511

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.6360, 0.2730, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8047, 0.2254, 0.2511 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, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 193, 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(112, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 193, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.8047, 0.2254, 0.2511 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, 193, 255) }
```

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

```
.border{ border-color:rgb(112, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 193,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8047, 0.2254, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 193, 255) }
```

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

```
.background{ background-color: rgb(112,  
193, 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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