

Converting Colors

$Yxy(47.6949, 0.2267, 0.2472)$

Have a look what the booklet for
Yxy(47.6949, 0.2267, 0.2472)
contains.

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Color

Yxy(47.8288, 0.2268, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	75BEFF
RGB	117, 190, 255
RGB Percent	46%, 75%, 100%
CMY	0.5407, 0.2550, 0.0000
CMYK	0.54, 0.25, 0.00, 0.00
HSL	208°, 100%, 73%
HSV	208°, 54%, 100%
XYZ	43.8109, 47.8288, 101.5300
YIQ	175.5830, -64.3730, 4.7390

Conversions

Conversions Part 2

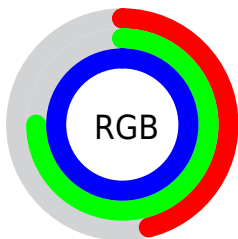
Format	Color
RYB	117, 165, 255
Decimal	7716607
CIELab	74.72, -4.79, -38.98
CIELCh	75, 39.277, 263.001
Yxy	47.8288, 0.2268, 0.2476
Android (android.graphics.Color)	4285906687 (0xFF75BEFF)
YUV	175.5830, 39.1526, -51.3773
Hunter-Lab	69.1584, -7.9499, -38.6316

Details

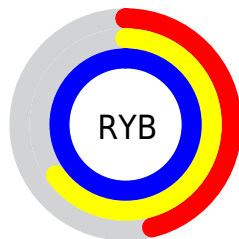
The Yxy color **47.8288, 0.2268, 0.2476** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.0590, 0.4319, 0.3955**, and the grayscale version is **43.0200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3616, 0.2669, 0.3191**, and **22.6986, 0.2056, 0.2270** is the 20% darker color. If you saturate the color by 10%, you get **41.3008, 0.2128, 0.2292**, and if you desaturate by 10%, it is **55.2710, 0.2421, 0.2653**.

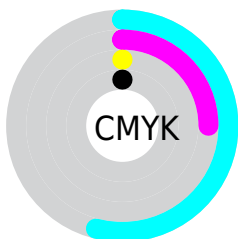
Distribution



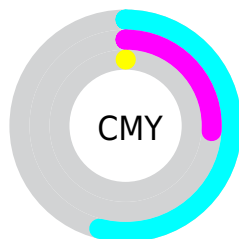
- Red (46%)
- Green (75%)
- Blue (100%)



- Red (46%)
- Yellow (65%)
- Blue (100%)



- Cyan (54%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8288, 0.2268, 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 47.8288, 0.2268, 0.2476 by changing the saturation by 10% instead.

■ 47.8288, 0.2268,
0.2476

■ 47.8288, 0.2268,
0.2476

■ 378.1131, 0.2678,
0.2870

■ 33.6913, 0.2173,
0.2383

■ 86.9495, 0.2412,
0.2615

■ 22.6566, 0.2056,
0.2268

■ 112.7014, 0.2467,
0.2669

■ 14.3401, 0.1908,
0.2121

■ 143.0937, 0.2515,
0.2715

■ 8.3576, 0.1717,
0.1930

■ 178.5106, 0.2556,
0.2754

■ 4.3246, 0.1465,
0.1675

■ 219.3366, 0.2593,
0.2789

■ 1.8568, 0.1127,
0.1325

■ 265.9561, 0.2625,

■ 0.5222, 0.0577,

0.2819

0.0794

318.7535, 0.2653,
0.2846

0.0000, 0.0000,
0.0000

47.8288, 0.2268,
0.2476

47.8288, 0.2268,
0.2476

41.3008, 0.2128,
0.2292

55.2710, 0.2421,
0.2653

35.6316, 0.2005,
0.2105

63.6680, 0.2581,
0.2820

30.7657, 0.1903,
0.1921

73.0631, 0.2744,
0.2974

26.6351, 0.1826,
0.1743

83.4954, 0.2907,
0.3115

24.4803, 0.1790,
0.1642

95.0013, 0.3065,
0.3242

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.



47.8288, 0.2147, 0.2723



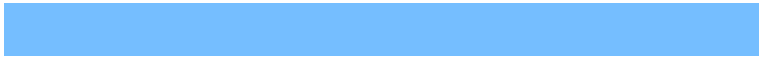
47.8288, 0.2268, 0.2476



47.8288, 0.2603, 0.2440

Triad

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



47.8288, 0.2268, 0.2476



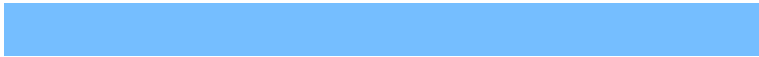
47.8288, 0.4079, 0.3292



47.8288, 0.3074, 0.4157

Complementary

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



47.8288, 0.2268, 0.2476



56.0590, 0.4319, 0.3955

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.



47.8288, 0.3606, 0.4278



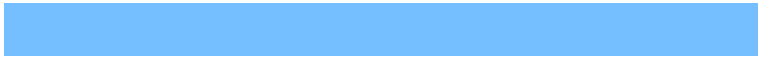
47.8288, 0.2268, 0.2476



47.8288, 0.4214, 0.3718

Square

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



47.8288, 0.2268, 0.2476



47.8288, 0.3658, 0.2894



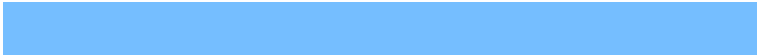
47.8288, 0.4029, 0.4087



47.8288, 0.2583, 0.3724

Rectangle

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



47.8288, 0.2268, 0.2476



47.8288, 0.2924, 0.2522



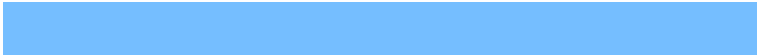
47.8288, 0.4029, 0.4087



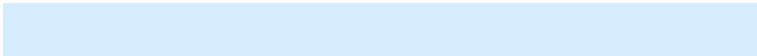
47.8288, 0.3254, 0.4236

Sweetspot

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



47.8305, 0.2268, 0.2476



81.3997, 0.2875, 0.3089



78.6656, 0.2760, 0.4216



16.9538, 0.2842, 0.3061



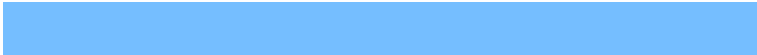
0.0000, 0.0000, 0.0000



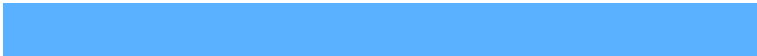
21.4041, 0.3127, 0.3290

Same Dimension

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



47.8305, 0.2268, 0.2476



40.7383, 0.2115, 0.2275



24.8599, 0.2087, 0.1605



18.9669, 0.2979, 0.3175



13.0932, 0.1797, 0.1670



1.4937, 0.1852, 0.1867

Inverse Universe

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



37.7278, 0.3855, 0.2556



31.6145, 0.4083, 0.2447



91.1698, 0.3934, 0.4553



18.1475, 0.3211, 0.3165



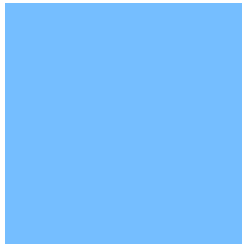
12.0497, 0.4844, 0.2442



1.1953, 0.4606, 0.2311

Previews

White Background



This preview shows how the Yxy color 47.8288, 0.2268, 0.2476 looks on a white background.

Color Contrast Check

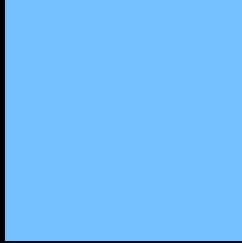
Large Text (above 18pt) WCAG AA × Fail

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 47.8288, 0.2268, 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

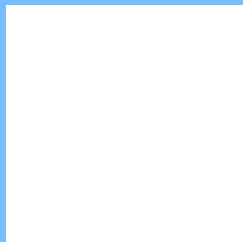
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8288, 0.2268, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 47.8288, 0.2268, 0.2476.



This preview shows how white text looks on a background with the Yxy color 47.8288, 0.2268, 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

47.8288, 0.2268, 0.2476

Protanopia

47.7176, 0.2541, 0.2486

Deuteranopia

47.5368, 0.2465, 0.2408



Tritanopia

48.0680, 0.2412, 0.3066

Trichromacy



Original Color

47.8288, 0.2268, 0.2476

Protanomaly

47.4491, 0.2426, 0.2471

Deuteranomaly

47.3406, 0.2384, 0.2426

Tritanomaly

47.8132, 0.2353, 0.2833

Monochromacy



Original Color

47.8288, 0.2268, 0.2476

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4241, 0.2744, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8288, 0.2268, 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(117, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 190, 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, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.8288, 0.2268, 0.2476 is called "border". The border property can be set on classes, ids or directly on the HTML element.

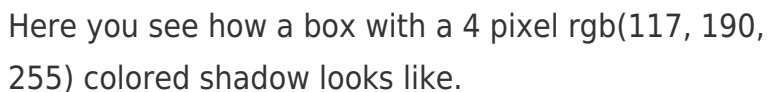
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 190, 255) }
```

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

```
.border{ border-color:rgb(117, 190, 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, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8288, 0.2268, 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(117, 190, 255) }
```

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

```
.background{ background-color: rgb(117,  
190, 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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