

Converting Colors

$Yxy(47.6258, 0.2289, 0.2463)$

Have a look what the booklet for
Yxy(47.6258, 0.2289, 0.2463)
contains.

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Color

Yxy(47.7528, 0.2288, 0.2468)

Conversions

Conversions Part 1

Format	Color
Hex	7ABDFF
RGB	122, 189, 255
RGB Percent	48%, 74%, 100%
CMY	0.5215, 0.2588, 0.0001
CMYK	0.52, 0.26, 0.00, 0.00
HSL	210°, 100%, 74%
HSV	210°, 52%, 100%
XYZ	44.2700, 47.7528, 101.4650
YIQ	176.4910, -61.1180, 6.3220

Conversions

Conversions Part 2

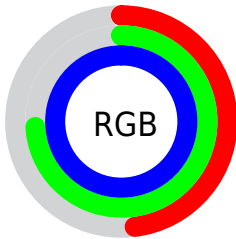
Format	Color
RYB	122, 167, 255
Decimal	8044031
CIELab	74.67, -3.23, -39.03
CIELCh	75, 39.159, 265.262
Yxy	47.7528, 0.2288, 0.2468
Android (android.graphics.Color)	4286234111 (0xFF7ABDFF)
YUV	176.4910, 38.7049, -47.7886
Hunter-Lab	69.1034, -6.5777, -38.6836

Details

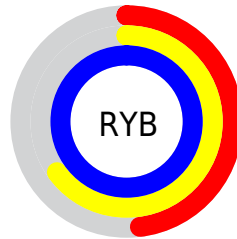
The Yxy color **47.7528, 0.2288, 0.2468** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.6145, 0.4245, 0.3967**, and the grayscale version is **43.5053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3486, 0.2694, 0.3180**, and **22.6153, 0.2078, 0.2259** is the 20% darker color. If you saturate the color by 10%, you get **40.9238, 0.2141, 0.2275**, and if you desaturate by 10%, it is **55.5480, 0.2446, 0.2653**.

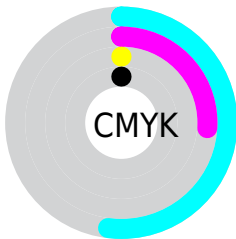
Distribution



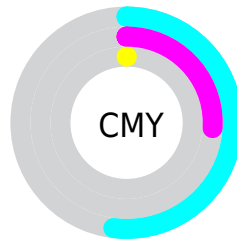
- Red (48%)
- Green (74%)
- Blue (100%)



- Red (48%)
- Yellow (65%)
- Blue (100%)



- Cyan (52%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7528, 0.2288, 0.2468 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 47.7528, 0.2288, 0.2468 by changing the saturation by 10% instead.


 47.7528, 0.2288,
0.2468

 47.7528, 0.2288,
0.2468


377.8114, 0.2689,
0.2865


 33.6312, 0.2195,
0.2375


 86.8362, 0.2429,
0.2608

 22.6104, 0.2080,
0.2259


 112.5668, 0.2483,
0.2662

 14.3061, 0.1934,
0.2112


 142.9359, 0.2530,
0.2708

 8.3339, 0.1746,
0.1921

178.3277, 0.2570,
0.2748

 4.3093, 0.1497,
0.1665

219.1268, 0.2606,
0.2783

 1.8481, 0.1161,
0.1316

265.7175, 0.2637,

 0.5169, 0.0625,

0.2814

0.0784

318.4843, 0.2665,
0.2841

0.0000, 0.0000,
0.0000

47.7528, 0.2288,
0.2468

47.7528, 0.2288,
0.2468

40.9238, 0.2141,
0.2275

55.5480, 0.2446,
0.2653

35.0048, 0.2011,
0.2078

64.3507, 0.2610,
0.2827

29.9400, 0.1902,
0.1884

74.2056, 0.2775,
0.2987

25.6617, 0.1817,
0.1697

85.1525, 0.2937,
0.3133

22.7809, 0.1766,
0.1558

97.2291, 0.3094,
0.3264

99.9980, 0.3127,
0.3290

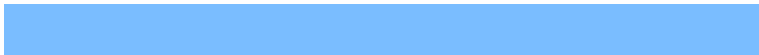
Harmonies

Analogous

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



47.7528, 0.2150, 0.2698



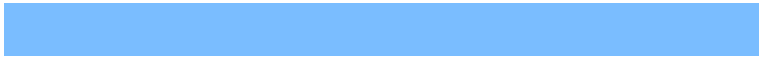
47.7528, 0.2288, 0.2468



47.7528, 0.2637, 0.2447

Triad

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



47.7528, 0.2288, 0.2468



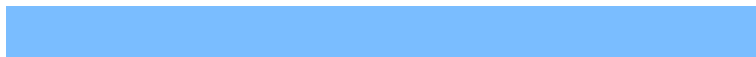
47.7528, 0.4098, 0.3324



47.7528, 0.3035, 0.4131

Complementary

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



47.7528, 0.2288, 0.2468



58.6145, 0.4245, 0.3967

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.



47.7528, 0.3567, 0.4278



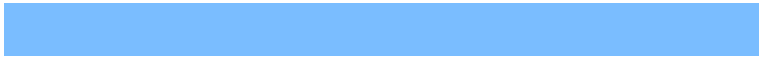
47.7528, 0.2288, 0.2468



47.7528, 0.4208, 0.3748

Square

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



47.7528, 0.2288, 0.2468



47.7528, 0.3695, 0.2922



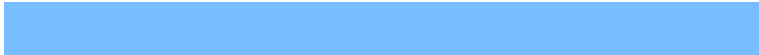
47.7528, 0.4002, 0.4108



47.7528, 0.2553, 0.3682

Rectangle

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



47.7528, 0.2288, 0.2468



47.7528, 0.2965, 0.2538



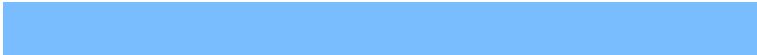
47.7528, 0.4002, 0.4108



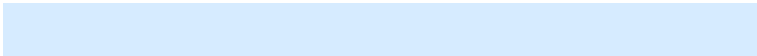
47.7528, 0.3213, 0.4219

Sweetspot

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



47.7545, 0.2288, 0.2468



80.8248, 0.2875, 0.3079



79.1957, 0.2758, 0.4147



16.8168, 0.2842, 0.3049



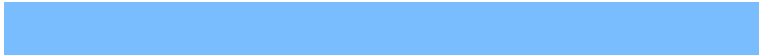
0.0000, 0.0000, 0.0000



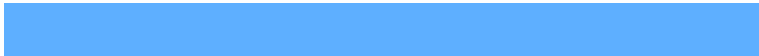
21.4041, 0.3127, 0.3290

Same Dimension

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



47.7545, 0.2288, 0.2468



40.3949, 0.2129, 0.2258



25.8285, 0.2122, 0.1646



18.8905, 0.2979, 0.3169



12.2058, 0.1774, 0.1587



1.4070, 0.1831, 0.1791

Inverse Universe

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



38.8503, 0.3855, 0.2610



32.4347, 0.4091, 0.2502



92.7546, 0.3899, 0.4532



18.1398, 0.3215, 0.3171



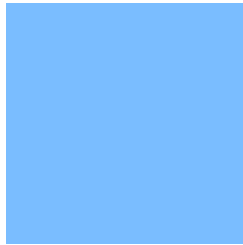
11.9601, 0.4948, 0.2499



1.1866, 0.4696, 0.2360

Previews

White Background



This preview shows how the Yxy color 47.7528, 0.2288, 0.2468 looks on a white background.

Color Contrast Check

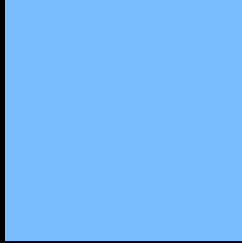
Large Text (above 18pt) WCAG AA × Fail

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 47.7528, 0.2288, 0.2468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

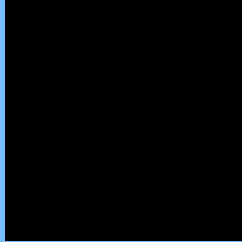
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

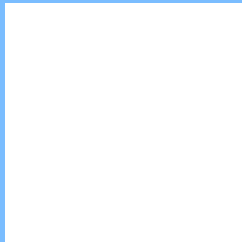
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7528, 0.2288, 0.2468

Background



This preview shows how black text looks on a background with the Yxy color 47.7528, 0.2288, 0.2468.



This preview shows how white text looks on a background with the Yxy color 47.7528, 0.2288, 0.2468.

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

47.7528, 0.2288, 0.2468

Protanopia

47.2064, 0.2533, 0.2472

Deuteranopia

47.5368, 0.2465, 0.2408



Tritanopia

47.8624, 0.2437, 0.3066

Trichromacy



Original Color

47.7528, 0.2288, 0.2468

Protanomaly

47.1279, 0.2430, 0.2460

Deuteranomaly

47.5207, 0.2395, 0.2428

Tritanomaly

47.6298, 0.2378, 0.2834

Monochromacy



Original Color

47.7528, 0.2288, 0.2468

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.5234, 0.2751, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7528, 0.2288, 0.2468 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(122, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 189, 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(122, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.7528, 0.2288, 0.2468 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(122, 189, 255) }
```

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

```
.border{ border-color:rgb(122, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7528, 0.2288, 0.2468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 189, 255) }
```

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

```
.background{ background-color: rgb(122,  
189, 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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