

Converting Colors

$Y_{xy}(48.1962, 0.2314, 0.2474)$

Have a look what the booklet for
Yxy(48.1962, 0.2314, 0.2474)
contains.

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Color

Yxy(48.1272, 0.2312, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	7FBDFE
RGB	127, 189, 255
RGB Percent	50%, 74%, 100%
CMY	0.5016, 0.2589, 0.0000
CMYK	0.50, 0.26, 0.00, 0.00
HSL	211°, 100%, 75%
HSV	211°, 50%, 100%
XYZ	45.0122, 48.1272, 101.5499
YIQ	177.9860, -58.1380, 7.3820

Conversions

Conversions Part 2

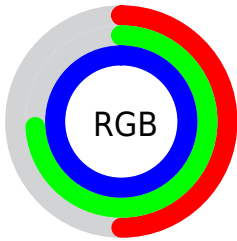
Format	Color
RYB	127, 169, 255
Decimal	8371711
CIELab	74.91, -2.10, -38.67
CIELCh	75, 38.729, 266.893
Yxy	48.1272, 0.2312, 0.2472
Android (android.graphics.Color)	4286561791 (0xFF7FBDFE)
YUV	177.9860, 37.9679, -44.7147
Hunter-Lab	69.3738, -5.5869, -38.2276

Details

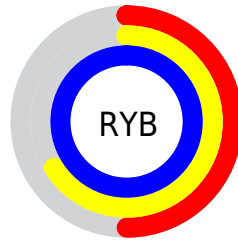
The Yxy color **48.1272, 0.2312, 0.2472** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.9771, 0.4177, 0.3969**, and the grayscale version is **44.3398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9639, 0.2721, 0.3181**, and **22.8438, 0.2107, 0.2266** is the 20% darker color. If you saturate the color by 10%, you get **41.0025, 0.2160, 0.2272**, and if you desaturate by 10%, it is **56.2606, 0.2474, 0.2663**.

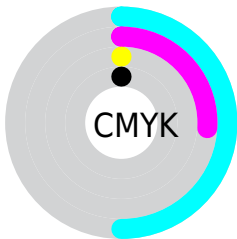
Distribution



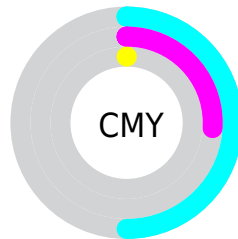
- Red (50%)
- Green (74%)
- Blue (100%)



- Red (50%)
- Yellow (66%)
- Blue (100%)



- Cyan (50%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1272, 0.2312, 0.2472 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 48.1272, 0.2312, 0.2472 by changing the saturation by 10% instead.

■ 48.1272, 0.2312,
0.2472

■ 48.1272, 0.2312,
0.2472

379.2961, 0.2702,
0.2866

■ 33.9276, 0.2221,
0.2380

■ 87.3938, 0.2449,
0.2611

■ 22.8380, 0.2109,
0.2265

■ 113.2295, 0.2502,
0.2664

■ 14.4739, 0.1967,
0.2120

■ 143.7129, 0.2547,
0.2710

■ 8.4510, 0.1783,
0.1931

179.2281, 0.2587,
0.2750

■ 4.3849, 0.1539,
0.1678

220.1596, 0.2621,
0.2784

■ 1.8911, 0.1208,
0.1333

266.8919, 0.2651,

■ 0.5430, 0.0695,

0.2815

0.0812

319.8092, 0.2678,
0.2842

0.0000, 0.0000,
0.0000

48.1272, 0.2312,
0.2472

48.1272, 0.2312,
0.2472

41.0025, 0.2160,
0.2272

56.2606, 0.2474,
0.2663

34.8355, 0.2023,
0.2068

65.4507, 0.2640,
0.2842

29.5682, 0.1907,
0.1865

75.7409, 0.2806,
0.3006

25.1335, 0.1815,
0.1670

87.1722, 0.2969,
0.3155

21.4858, 0.1748,
0.1491

99.7830, 0.3125,
0.3288

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.



48.1272, 0.2164, 0.2689



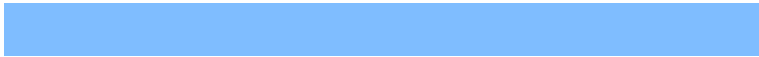
48.1272, 0.2312, 0.2472



48.1272, 0.2668, 0.2461

Triad

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



48.1272, 0.2312, 0.2472



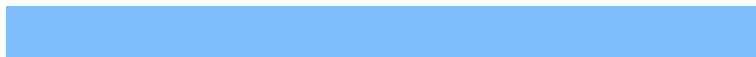
48.1272, 0.4099, 0.3347



48.1272, 0.3008, 0.4101

Complementary

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



48.1272, 0.2312, 0.2472



60.9771, 0.4177, 0.3969

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.



48.1272, 0.3534, 0.4265



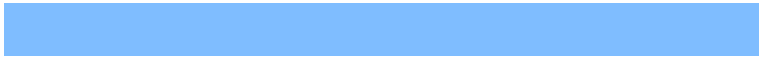
48.1272, 0.2312, 0.2472



48.1272, 0.4190, 0.3765

Square

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



48.1272, 0.2312, 0.2472



48.1272, 0.3714, 0.2947



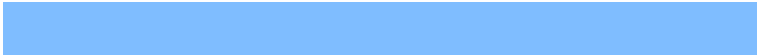
48.1272, 0.3973, 0.4113



48.1272, 0.2538, 0.3648

Rectangle

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



48.1272, 0.2312, 0.2472



48.1272, 0.2996, 0.2557



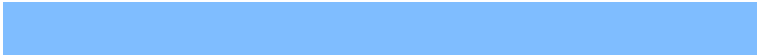
48.1272, 0.3973, 0.4113



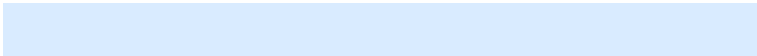
48.1272, 0.3184, 0.4194

Sweetspot

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



48.1270, 0.2312, 0.2472



81.4992, 0.2891, 0.3085



79.8017, 0.2757, 0.4080



16.9331, 0.2857, 0.3053



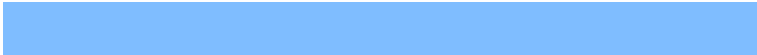
0.0000, 0.0000, 0.0000



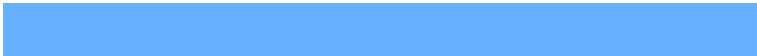
21.4041, 0.3127, 0.3290

Same Dimension

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



48.1270, 0.2312, 0.2472



41.1115, 0.2162, 0.2276



26.9381, 0.2160, 0.1691



18.8286, 0.2979, 0.3164



11.5228, 0.1756, 0.1520



1.3395, 0.1814, 0.1730

Inverse Universe

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



40.1333, 0.3843, 0.2658



33.8990, 0.4062, 0.2558



94.3144, 0.3864, 0.4508



18.1336, 0.3218, 0.3176



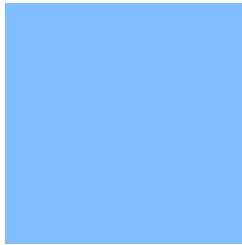
11.8912, 0.5033, 0.2546



1.1798, 0.4770, 0.2401

Previews

White Background



This preview shows how the Yxy color 48.1272, 0.2312, 0.2472 looks on a white background.

Color Contrast Check

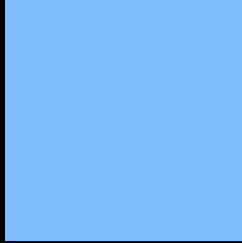
Large Text (above 18pt) WCAG AA × Fail

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 48.1272, 0.2312, 0.2472 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

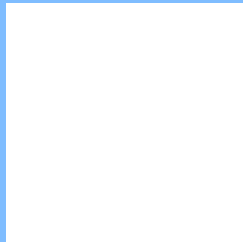
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1272, 0.2312, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 48.1272, 0.2312, 0.2472.



This preview shows how white text looks on a background with the Yxy color 48.1272, 0.2312, 0.2472.

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

48.1272, 0.2312, 0.2472

Protanopia

47.7798, 0.2536, 0.2476

Deuteranopia

48.0468, 0.2473, 0.2421



Tritanopia

48.2473, 0.2467, 0.3068

Trichromacy



Original Color

48.1272, 0.2312, 0.2472

Protanomaly

47.8253, 0.2450, 0.2476

Deuteranomaly

48.1210, 0.2408, 0.2443

Tritanomaly

48.0366, 0.2408, 0.2837

Monochromacy



Original Color

48.1272, 0.2312, 0.2472

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.2831, 0.2768, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1272, 0.2312, 0.2472 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(127, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.1272, 0.2312, 0.2472 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(127, 189, 255) }
```

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

```
.border{ border-color:rgb(127, 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(127, 189, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1272, 0.2312, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 189, 255) }
```

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

```
.background{ background-color: rgb(127,  
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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