

Converting Colors

$Y_{xy}(49.1504, 0.2268, 0.2238)$

Have a look what the booklet for
Yxy(49.1504, 0.2268, 0.2238)
contains.

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Color

Yxy(47.8268, 0.2366, 0.2447)

Conversions

Conversions Part 1

Format	Color
Hex	8BBAFF
RGB	139, 186, 255
RGB Percent	55%, 73%, 100%
CMY	0.4552, 0.2705, 0.0001
CMYK	0.46, 0.27, 0.00, 0.00
HSL	216°, 100%, 77%
HSV	216°, 46%, 100%
XYZ	46.2436, 47.8268, 101.3803
YIQ	179.8130, -50.1610, 11.4950

Conversions

Conversions Part 2

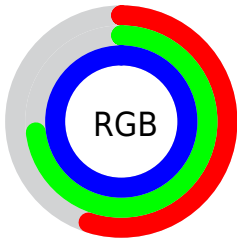
Format	Color
RYB	139, 172, 255
Decimal	9157375
CIELab	74.72, 2.24, -38.89
CIELCh	75, 38.955, 273.296
Yxy	47.8268, 0.2366, 0.2447
Android (android.graphics.Color)	4287347455 (0xFF8BBAFF)
YUV	179.8130, 37.0672, -35.7930
Hunter-Lab	69.1569, -1.6658, -38.5061

Details

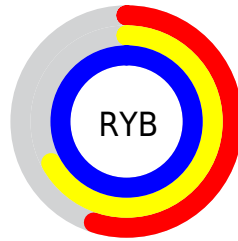
The Yxy color **47.8268, 0.2366, 0.2447** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.1716, 0.4012, 0.3997**, and the grayscale version is **45.3477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5946, 0.2778, 0.3151**, and **22.6016, 0.2171, 0.2233** is the 20% darker color. If you saturate the color by 10%, you get **39.8354, 0.2198, 0.2219**, and if you desaturate by 10%, it is **57.0103, 0.2539, 0.2663**.

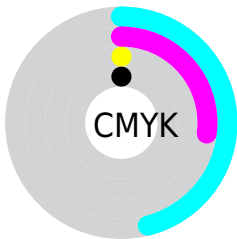
Distribution



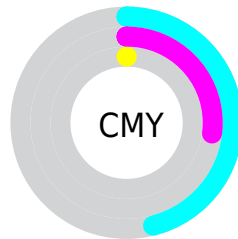
- Red (55%)
- Green (73%)
- Blue (100%)



- Red (55%)
- Yellow (67%)
- Blue (100%)



- Cyan (46%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8268, 0.2366, 0.2447 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 47.8268, 0.2366, 0.2447 by changing the saturation by 10% instead.

■ 47.8268, 0.2366,
0.2447

■ 47.8268, 0.2366,
0.2447

378.1052, 0.2733,
0.2850

■ 33.6897, 0.2280,
0.2353

■ 86.9465, 0.2495,
0.2589

■ 22.6554, 0.2174,
0.2237

■ 112.6979, 0.2545,
0.2643

■ 14.3392, 0.2038,
0.2090

143.0895, 0.2588,
0.2690

■ 8.3570, 0.1862,
0.1900

178.5058, 0.2624,
0.2731

■ 4.3242, 0.1626,
0.1647

219.3311, 0.2657,
0.2766

■ 1.8565, 0.1301,
0.1302

265.9499, 0.2685,

■ 0.5220, 0.0819,

0.2798

0.0776

318.7464, 0.2710,
0.2826

0.0000, 0.0000,
0.0000

47.8268, 0.2366,
0.2447

47.8268, 0.2366,
0.2447

39.8354, 0.2198,
0.2219

57.0103, 0.2539,
0.2663

32.9736, 0.2042,
0.1986

67.4332, 0.2713,
0.2863

27.1804, 0.1905,
0.1754

79.1465, 0.2881,
0.3045

22.3848, 0.1793,
0.1532

92.1965, 0.3042,
0.3208

18.5031, 0.1709,
0.1329

99.9984, 0.3127,
0.3290

■ 17.0133, 0.1679,
0.1245

Harmonies

Analogous

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



47.8268, 0.2170, 0.2619



47.8268, 0.2366, 0.2447



47.8268, 0.2763, 0.2478

Triad

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



47.8268, 0.2366, 0.2447



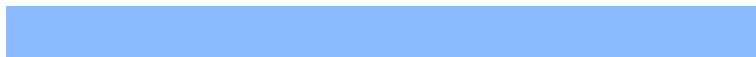
47.8268, 0.4154, 0.3438



47.8268, 0.2896, 0.4030

Complementary

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



47.8268, 0.2366, 0.2447



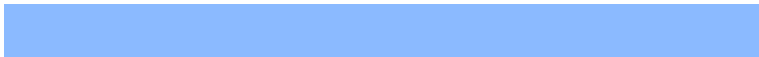
68.1716, 0.4012, 0.3997

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.



47.8268, 0.3426, 0.4267



47.8268, 0.2366, 0.2447



47.8268, 0.4176, 0.3853

Square

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



47.8268, 0.2366, 0.2447



47.8268, 0.3821, 0.3025



47.8268, 0.3899, 0.4174



47.8268, 0.2452, 0.3533

Rectangle

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



47.8268, 0.2366, 0.2447



47.8268, 0.3110, 0.2599



47.8268, 0.3899, 0.4174



47.8268, 0.3070, 0.4146

Sweetspot

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



47.8286, 0.2366, 0.2447



81.0514, 0.2906, 0.3070



81.4738, 0.2736, 0.3869



16.7741, 0.2871, 0.3033



0.0000, 0.0000, 0.0000



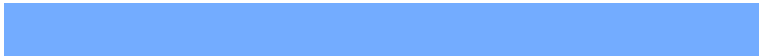
21.4041, 0.3127, 0.3290

Same Dimension

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



47.8286, 0.2366, 0.2447



40.2258, 0.2206, 0.2231



32.0151, 0.2325, 0.1880



18.5880, 0.2979, 0.3145



9.1664, 0.1688, 0.1276



1.1004, 0.1750, 0.1499

Inverse Universe

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



43.2462, 0.3846, 0.2804



36.4302, 0.4080, 0.2715



92.8337, 0.3737, 0.4438



18.1093, 0.3230, 0.3194



11.6533, 0.5360, 0.2727



1.1556, 0.5061, 0.2562

Previews

White Background



This preview shows how the Yxy color 47.8268, 0.2366, 0.2447 looks on a white background.

Color Contrast Check

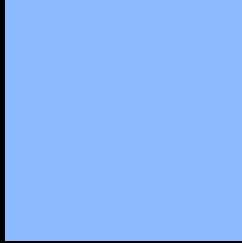
Large Text (above 18pt) WCAG AA × Fail

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 47.8268, 0.2366, 0.2447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

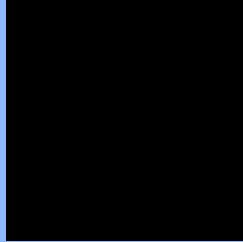
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

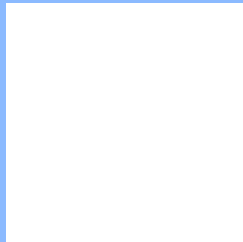
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8268, 0.2366, 0.2447

Background



This preview shows how black text looks on a background with the Yxy color 47.8268, 0.2366, 0.2447.



This preview shows how white text looks on a background with the Yxy color 47.8268, 0.2366, 0.2447.

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

47.8268, 0.2366, 0.2447

Protanopia

47.7993, 0.2518, 0.2454

Deuteranopia

47.6387, 0.2472, 0.2409



Tritanopia

47.6723, 0.2545, 0.3070

Trichromacy



Original Color

47.8268, 0.2366, 0.2447

Protanomaly

47.7653, 0.2461, 0.2457

Deuteranomaly

47.7624, 0.2433, 0.2425

Tritanomaly

47.5779, 0.2480, 0.2828

Monochromacy



Original Color

47.8268, 0.2366, 0.2447

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9602, 0.2806, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8268, 0.2366, 0.2447 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(139, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 186, 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(139, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.8268, 0.2366, 0.2447 is called "border". The border property can be set on classes, ids or directly on the HTML element.

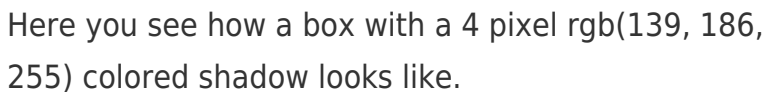
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 186, 255) }
```

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

```
.border{ border-color:rgb(139, 186, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 186, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 186, 255); box-shadow:4px 4px 4px 4px rgb(139, 186, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8268, 0.2366, 0.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 186, 255) }
```

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

```
.background{ background-color: rgb(139,  
186, 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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