

Converting Colors

$Yxy(48.8824, 0.2318, 0.2494)$

Have a look what the booklet for
Yxy(48.8824, 0.2318, 0.2494)
contains.

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Color

Yxy(48.9936, 0.2317, 0.2498)

Conversions

Conversions Part 1

Format	Color
Hex	7FBFFF
RGB	127, 191, 255
RGB Percent	50%, 75%, 100%
CMY	0.5017, 0.2510, 0.0000
CMYK	0.50, 0.25, 0.00, 0.00
HSL	210°, 100%, 75%
HSV	210°, 50%, 100%
XYZ	45.4436, 48.9936, 101.6941
YIQ	179.1600, -58.6880, 6.3360

Conversions

Conversions Part 2

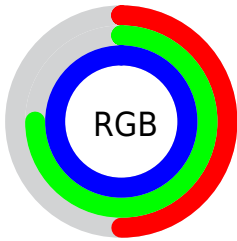
Format	Color
RYB	127, 170, 255
Decimal	8372223
CIELab	75.45, -3.20, -37.83
CIElCh	75, 37.965, 265.172
Yxy	48.9936, 0.2317, 0.2498
Android (android.graphics.Color)	4286562303 (0xFF7FBFFF)
YUV	179.1600, 37.3891, -45.7443
Hunter-Lab	69.9954, -6.6032, -37.1437

Details

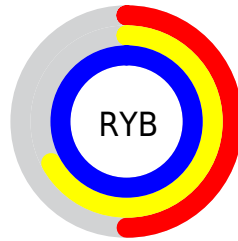
The Yxy color **48.9936, 0.2317, 0.2498** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.0898, 0.4188, 0.3949**, and the grayscale version is **44.9961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1806, 0.2723, 0.3203**, and **23.4124, 0.2116, 0.2301** is the 20% darker color. If you saturate the color by 10%, you get **41.9514, 0.2167, 0.2305**, and if you desaturate by 10%, it is **57.0157, 0.2477, 0.2683**.

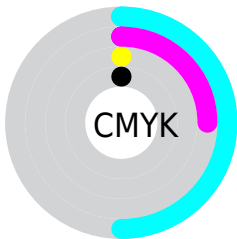
Distribution



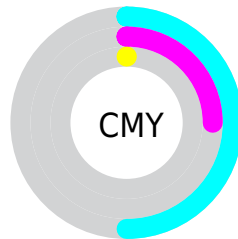
- Red (50%)
- Green (75%)
- Blue (100%)



- Red (50%)
- Yellow (67%)
- Blue (100%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9936, 0.2317, 0.2498 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 48.9936, 0.2317, 0.2498 by changing the saturation by 10% instead.

■ 48.9936, 0.2317,
0.2498

■ 48.9936, 0.2317,
0.2498

■ 382.7171, 0.2704,
0.2880

■ 34.6144, 0.2227,
0.2409

■ 88.6819, 0.2453,
0.2633

■ 23.3660, 0.2116,
0.2297

■ 114.7599, 0.2505,
0.2684

■ 14.8640, 0.1976,
0.2156

■ 145.5062, 0.2550,
0.2729

■ 8.7240, 0.1795,
0.1972

■ 181.3053, 0.2589,
0.2767

■ 4.5616, 0.1554,
0.1726

■ 222.5415, 0.2623,
0.2801

■ 1.9924, 0.1227,
0.1386

■ 269.5993, 0.2653,

■ 0.6031, 0.0729,

0.2830

0.0887

322.8630, 0.2680,
0.2856

0.0000, 0.0000,
0.0000

48.9936, 0.2317,
0.2498

48.9936, 0.2317,
0.2498

41.9514, 0.2167,
0.2305

57.0157, 0.2477,
0.2683

35.8393, 0.2032,
0.2107

66.0642, 0.2642,
0.2856

30.6005, 0.1918,
0.1910

76.1815, 0.2807,
0.3015

26.1696, 0.1828,
0.1720

87.4074, 0.2969,
0.3159

22.5049, 0.1762,
0.1544

99.7794, 0.3125,
0.3288

100.0000, 0.3127,
0.3290

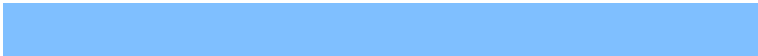
Harmonies

Analogous

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



48.9936, 0.2184, 0.2723



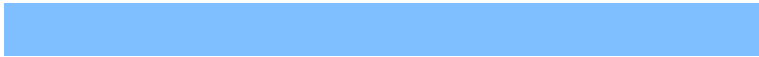
48.9936, 0.2317, 0.2498



48.9936, 0.2654, 0.2476

Triad

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



48.9936, 0.2317, 0.2498



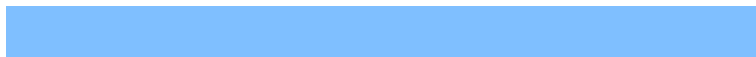
48.9936, 0.4059, 0.3324



48.9936, 0.3041, 0.4097

Complementary

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



48.9936, 0.2317, 0.2498



60.0898, 0.4188, 0.3949

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.



48.9936, 0.3554, 0.4239



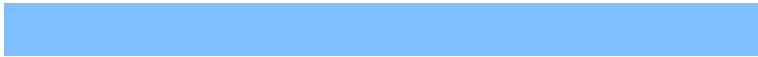
48.9936, 0.2317, 0.2498



48.9936, 0.4167, 0.3733

Square

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



48.9936, 0.2317, 0.2498



48.9936, 0.3672, 0.2935



48.9936, 0.3972, 0.4079



48.9936, 0.2576, 0.3668

Rectangle

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



48.9936, 0.2317, 0.2498



48.9936, 0.2970, 0.2563



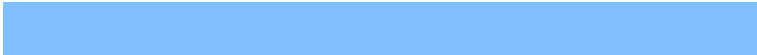
48.9936, 0.3972, 0.4079



48.9936, 0.3214, 0.4181

Sweetspot

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



48.9934, 0.2317, 0.2498



81.8446, 0.2891, 0.3091



79.8002, 0.2757, 0.4080



17.0161, 0.2857, 0.3061



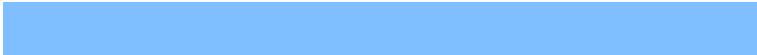
0.0000, 0.0000, 0.0000



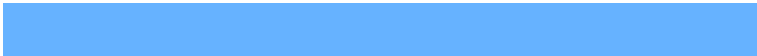
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9934, 0.2317, 0.2498



42.0633, 0.2170, 0.2308



26.9329, 0.2160, 0.1690



18.8773, 0.2979, 0.3168



12.0578, 0.1770, 0.1573



1.3924, 0.1827, 0.1778

Inverse Universe

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



40.2169, 0.3821, 0.2638



33.9950, 0.4031, 0.2534



94.3140, 0.3864, 0.4508



18.1385, 0.3215, 0.3172



11.9452, 0.4966, 0.2509



1.1851, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 48.9936, 0.2317, 0.2498 looks on a white background.

Color Contrast Check

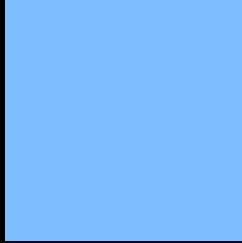
Large Text (above 18pt) WCAG AA × Fail

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 48.9936, 0.2317, 0.2498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

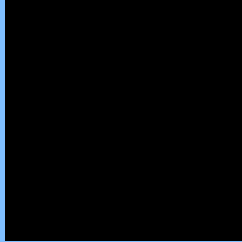
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

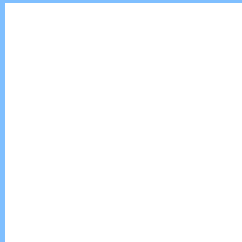
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9936, 0.2317, 0.2498

Background



This preview shows how black text looks on a background with the Yxy color 48.9936, 0.2317, 0.2498.



This preview shows how white text looks on a background with the Yxy color 48.9936, 0.2317, 0.2498.

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

48.9936, 0.2317, 0.2498

Protanopia

48.8135, 0.2552, 0.2503

Deuteranopia

48.7684, 0.2494, 0.2438



Tritanopia

48.8206, 0.2469, 0.3069

Trichromacy



Original Color

48.9936, 0.2317, 0.2498

Protanomaly

48.7582, 0.2460, 0.2503

Deuteranomaly

48.7274, 0.2422, 0.2458

Tritanomaly

48.6093, 0.2410, 0.2839

Monochromacy



Original Color

48.9936, 0.2317, 0.2498

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.8455, 0.2769, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9936, 0.2317, 0.2498 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, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 191, 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, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.9936, 0.2317, 0.2498 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, 191, 255) }
```

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

```
.border{ border-color:rgb(127, 191, 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, 191, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9936, 0.2317, 0.2498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 191, 255) }
```

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

```
.background{ background-color: rgb(127,  
191, 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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