

Converting Colors

$Yxy(48.8437, 0.2553, 0.2787)$

Have a look what the booklet for
Yxy(48.8437, 0.2553, 0.2787)
contains.

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Color

Yxy(48.7431, 0.2550, 0.2779)

Conversions

Conversions Part 1

Format	Color
Hex	93BEE6
RGB	147, 190, 230
RGB Percent	58%, 75%, 90%
CMY	0.4237, 0.2549, 0.0980
CMYK	0.36, 0.17, 0.00, 0.10
HSL	209°, 62%, 74%
HSV	209°, 36%, 90%
XYZ	44.7265, 48.7431, 81.9284
YIQ	181.7030, -38.4680, 3.3240

Conversions

Conversions Part 2

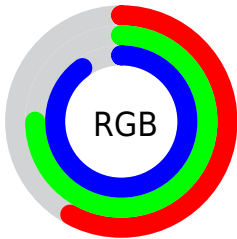
Format	Color
R_{YB}	147, 175, 230
Decimal	9682662
CIE _{Lab}	75.29, -4.59, -24.51
CIE _{LCh}	75, 24.937, 259.393
Yxy	48.7431, 0.2550, 0.2779
Android (android.graphics.Color)	4287872742 (0xFF93BEE6)
YUV	181.7030, 23.8104, -30.4345
Hunter-Lab	69.8163, -7.8258, -20.7046

Details

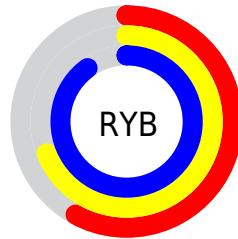
The Yxy color **48.7431, 0.2550, 0.2779** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.4645, 0.3831, 0.3748**, and the grayscale version is **46.4912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8280, 0.2815, 0.3195**, and **23.2745, 0.2403, 0.2651** is the 20% darker color. If you saturate the color by 10%, you get **42.2077, 0.2390, 0.2607**, and if you desaturate by 10%, it is **56.0724, 0.2713, 0.2939**.

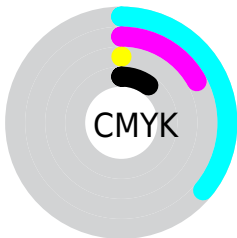
Distribution



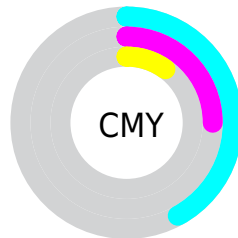
- Red (58%)
- Green (75%)
- Blue (90%)



- Red (58%)
- Yellow (69%)
- Blue (90%)



- Cyan (36%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)



- Cyan (42%)
- Magenta (25%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7431, 0.2550, 0.2779 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 48.7431, 0.2550, 0.2779 by changing the saturation by 10% instead.

■ 48.7431, 0.2550,
0.2779

■ 48.7431, 0.2550,
0.2779

381.7301, 0.2830,
0.3031

■ 34.4157, 0.2483,
0.2718

■ 88.3098, 0.2650,
0.2869

■ 23.2132, 0.2399,
0.2640

■ 114.3179, 0.2688,
0.2904

■ 14.7510, 0.2290,
0.2540

144.9884, 0.2720,
0.2933

■ 8.6448, 0.2145,
0.2403

180.7056, 0.2748,
0.2958

■ 4.5102, 0.1943,
0.2210

221.8540, 0.2773,
0.2980

■ 1.9629, 0.1646,
0.1921

268.8179, 0.2794,

■ 0.5858, 0.1071,

0.2999

0.1410

321.9818, 0.2813,
0.3016

0.0000, 0.0000,
0.0000

48.7431, 0.2550,
0.2779

48.7431, 0.2550,
0.2779

42.2077, 0.2390,
0.2607

56.0724, 0.2713,
0.2939

36.4270, 0.2239,
0.2425

64.2211, 0.2875,
0.3085

31.3663, 0.2100,
0.2237

73.2204, 0.3033,
0.3216

26.9851, 0.1980,
0.2048

83.0978, 0.3186,
0.3334

23.2371, 0.1881,
0.1861

92.5319, 0.3284,
0.3441

■ 20.0669, 0.1807,
0.1683

■ 98.4943, 0.3274,
0.3532

■ 18.9564, 0.1782,
0.1616

Harmonies

Analogous

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



48.7431, 0.2487, 0.2969



48.7431, 0.2550, 0.2779



48.7431, 0.2760, 0.2728

Triad

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



48.7431, 0.2550, 0.2779



48.7431, 0.3700, 0.3271



48.7431, 0.3147, 0.3838

Complementary

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



48.7431, 0.2550, 0.2779



54.4645, 0.3831, 0.3748

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.



48.7431, 0.3481, 0.3904



48.7431, 0.2550, 0.2779



48.7431, 0.3813, 0.3553

Square

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



48.7431, 0.2550, 0.2779



48.7431, 0.3425, 0.3006



48.7431, 0.3729, 0.3789



48.7431, 0.2819, 0.3597

Rectangle

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



48.7431, 0.2550, 0.2779



48.7431, 0.2964, 0.2770



48.7431, 0.3729, 0.3789



48.7431, 0.3262, 0.3882

Sweetspot

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



48.7450, 0.2550, 0.2779



86.7416, 0.2956, 0.3153



66.3389, 0.2858, 0.3857



18.2365, 0.2934, 0.3135



0.0000, 0.0000, 0.0000



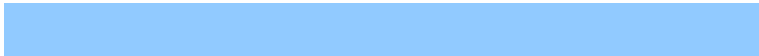
21.4041, 0.3127, 0.3290

Same Dimension

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



48.7450, 0.2550, 0.2779



55.5942, 0.2436, 0.2657



33.6432, 0.2475, 0.2239



15.1165, 0.2981, 0.3174



10.9763, 0.1790, 0.1643



0.9970, 0.1861, 0.1900

Inverse Universe

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



41.4021, 0.3545, 0.2803



45.8904, 0.3662, 0.2706



74.0084, 0.3679, 0.4161



14.4921, 0.3212, 0.3169



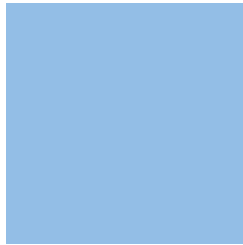
10.3058, 0.4877, 0.2460



0.7803, 0.4567, 0.2290

Previews

White Background



This preview shows how the Yxy color 48.7431, 0.2550, 0.2779 looks on a white background.

Color Contrast Check

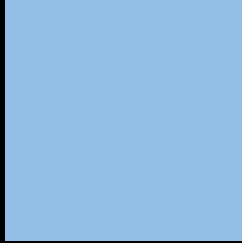
Large Text (above 18pt) WCAG AA × Fail

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 48.7431, 0.2550, 0.2779 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

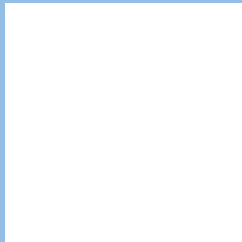
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7431, 0.2550, 0.2779

Background



This preview shows how black text looks on a background with the Yxy color 48.7431, 0.2550, 0.2779.



This preview shows how white text looks on a background with the Yxy color 48.7431, 0.2550, 0.2779.

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

48.7431, 0.2550, 0.2779

Protanopia

48.4172, 0.2760, 0.2772

Deuteranopia

48.4576, 0.2741, 0.2674



Tritanopia

48.9378, 0.2648, 0.3089

Trichromacy



Original Color

48.7431, 0.2550, 0.2779

Protanomaly

48.6632, 0.2679, 0.2778

Deuteranomaly

48.2660, 0.2666, 0.2709

Tritanomaly

49.0790, 0.2612, 0.2974

Monochromacy



Original Color

48.7431, 0.2550, 0.2779

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.2565, 0.2894, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7431, 0.2550, 0.2779 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(147, 190, 230)` looks like.

```
.text, #text, p{  
    color:rgb(147, 190, 230)  
}
```

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(147, 190, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 190, 230) }
```

Border

The CSS property to change the border of an element to Yxy 48.7431, 0.2550, 0.2779 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(147, 190, 230) }
```

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

```
.border{ border-color:rgb(147, 190, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 190, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 190, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 190, 230);  
box-shadow:4px 4px 4px 4px rgb(147, 190,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7431, 0.2550, 0.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 190, 230) }
```

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

```
.background{ background-color: rgb(147,  
190, 230) }
```

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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