

Converting Colors

$Yxy(47.8655, 0.2535, 0.2577)$

Have a look what the booklet for
Yxy(47.8655, 0.2535, 0.2577)
contains.

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Color

Yxy(47.8599, 0.2535, 0.2577)

Conversions

Conversions Part 1

Format	Color
Hex	9DB8F2
RGB	157, 184, 242
RGB Percent	62%, 72%, 95%
CMY	0.3842, 0.2785, 0.0509
CMYK	0.35, 0.24, 0.00, 0.05
HSL	221°, 77%, 78%
HSV	221°, 35%, 95%
XYZ	47.0799, 47.8599, 90.7797
YIQ	182.5390, -34.7100, 12.3140

Conversions

Conversions Part 2

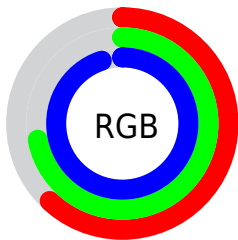
Format	Color
R _Y B	157, 177, 242
Decimal	10336498
CIE Lab	74.74, 4.51, -31.80
CIE LCh	75, 32.113, 278.066
Yxy	47.8599, 0.2535, 0.2577
Android (android.graphics.Color)	4288526578 (0xFF9DB8F2)
YUV	182.5390, 29.3143, -22.3977
Hunter-Lab	69.1808, 0.4087, -29.3742

Details

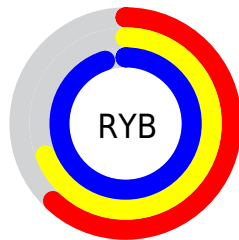
The Yxy color $47.8599, 0.2535, 0.2577$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $69.9540, 0.3748, 0.3911$, and the grayscale version is $46.9441, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.6863, 0.2870, 0.3134$, and $22.6613, 0.2379, 0.2389$ is the 20% darker color. If you saturate the color by 10%, you get $39.1937, 0.2352, 0.2329$, and if you desaturate by 10%, it is $57.8141, 0.2715, 0.2807$.

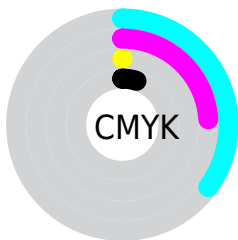
Distribution



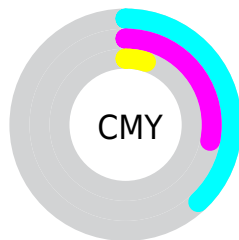
- Red (62%)
- Green (72%)
- Blue (95%)



- Red (62%)
- Yellow (69%)
- Blue (95%)



- Cyan (35%)
- Magenta (24%)
- Yellow (0%)
- Black (5%)





- Cyan (38%)
- Magenta (28%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8599, 0.2535, 0.2577 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 47.8599, 0.2535, 0.2577 by changing the saturation by 10% instead.


 47.8599, 0.2535,
0.2577


 47.8599, 0.2535,
0.2577


378.2365, 0.2824,
0.2920

 33.7160, 0.2466,
0.2496


 86.9958, 0.2638,
0.2698

 22.6755, 0.2379,
0.2395


 112.7565, 0.2677,
0.2745

 14.3541, 0.2267,
0.2266


143.1582, 0.2711,
0.2785

 8.3673, 0.2118,
0.2096

178.5854, 0.2740,
0.2819

 4.3309, 0.1912,
0.1864

219.4225, 0.2765,
0.2849

 1.8603, 0.1614,
0.1536

266.0537, 0.2787,

 0.5244, 0.1142,

0.2876

0.0984

318.8636, 0.2807,
0.2899

0.0000, 0.0000,
0.0000

47.8599, 0.2535,
0.2577

47.8599, 0.2535,
0.2577

39.1937, 0.2352,
0.2329

57.8141, 0.2715,
0.2807

31.7538, 0.2173,
0.2069

69.1033, 0.2887,
0.3016

25.4814, 0.2004,
0.1804

81.7784, 0.3049,
0.3203

20.3101, 0.1856,
0.1546

95.8864, 0.3199,
0.3368

16.1651, 0.1735,
0.1308

99.1923, 0.3203,
0.3415

■ 12.9599, 0.1647,
0.1099

■ 11.6865, 0.1614,
0.1011

Harmonies

Analogous

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



47.8599, 0.2338, 0.2701



47.8599, 0.2535, 0.2577



47.8599, 0.2894, 0.2625

Triad

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



47.8599, 0.2535, 0.2577



47.8599, 0.3993, 0.3481



47.8599, 0.2875, 0.3837

Complementary

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



47.8599, 0.2535, 0.2577



69.9540, 0.3748, 0.3911

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.



47.8599, 0.3313, 0.4073



47.8599, 0.2535, 0.2577



47.8599, 0.3974, 0.3819

Square

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



47.8599, 0.2535, 0.2577



47.8599, 0.3756, 0.3126



47.8599, 0.3718, 0.4051



47.8599, 0.2522, 0.3422

Rectangle

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



47.8599, 0.2535, 0.2577



47.8599, 0.3190, 0.2742



47.8599, 0.3718, 0.4051



47.8599, 0.3017, 0.3942

Sweetspot

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



47.8617, 0.2535, 0.2577



83.4452, 0.2955, 0.3095



75.5305, 0.2774, 0.3627



17.4528, 0.2932, 0.3069



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.



47.8617, 0.2535, 0.2577



46.9082, 0.2407, 0.2405



39.2195, 0.2592, 0.2262



16.0469, 0.2980, 0.3124



6.4933, 0.1622, 0.1039



0.7124, 0.1694, 0.1299

Inverse Universe

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



46.4686, 0.3697, 0.2996



45.7804, 0.3865, 0.2937



82.4258, 0.3554, 0.4197



15.8414, 0.3243, 0.3215



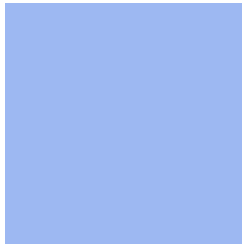
10.4489, 0.5700, 0.2914



0.8866, 0.5328, 0.2709

Previews

White Background



This preview shows how the Yxy color 47.8599, 0.2535, 0.2577 looks on a white background.

Color Contrast Check

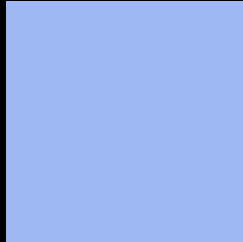
Large Text (above 18pt) WCAG AA × Fail

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 47.8599, 0.2535, 0.2577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

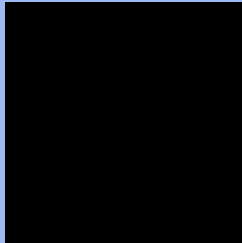
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8599, 0.2535, 0.2577

Background



This preview shows how black text looks on a background with the Yxy color 47.8599, 0.2535, 0.2577.



This preview shows how white text looks on a background with the Yxy color 47.8599, 0.2535, 0.2577.

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

47.8599, 0.2535, 0.2577

Protanopia

47.6638, 0.2614, 0.2574

Deuteranopia

47.9538, 0.2603, 0.2544



Tritanopia

48.1074, 0.2708, 0.3089

Trichromacy



Original Color

47.8599, 0.2535, 0.2577

Protanomaly

47.6993, 0.2583, 0.2571

Deuteranomaly

47.9263, 0.2578, 0.2551

Tritanomaly

47.7563, 0.2643, 0.2887

Monochromacy



Original Color

47.8599, 0.2535, 0.2577

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.2253, 0.2896, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8599, 0.2535, 0.2577 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(157, 184, 242)` looks like.

```
.text, #text, p{  
    color:rgb(157, 184, 242)  
}
```

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(157, 184, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 184, 242) }
```

Border

The CSS property to change the border of an element to Yxy 47.8599, 0.2535, 0.2577 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(157, 184, 242) }
```

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

```
.border{ border-color:rgb(157, 184, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 184, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 184, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 184, 242); box-shadow:4px 4px 4px 4px rgb(157, 184, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8599, 0.2535, 0.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 184, 242) }
```

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

```
.background{ background-color: rgb(157,  
184, 242) }
```

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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