

Converting Colors

$Y_{xy}(48.4722, 0.2515, 0.2619)$

Have a look what the booklet for
Yxy(48.4722, 0.2515, 0.2619)
contains.

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Color

Yxy(48.5669, 0.2515, 0.2621)

Conversions

Conversions Part 1

Format	Color
Hex	98BBF1
RGB	152, 187, 241
RGB Percent	60%, 73%, 95%
CMY	0.4037, 0.2667, 0.0549
CMYK	0.37, 0.22, 0.00, 0.05
HSL	216°, 76%, 77%
HSV	216°, 37%, 95%
XYZ	46.6027, 48.5669, 90.1295
YIQ	182.6910, -38.1940, 9.3740

Conversions

Conversions Part 2

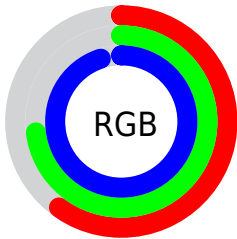
Format	Color
RYB	152, 177, 241
Decimal	10009585
CIELab	75.18, 1.25, -30.58
CIELCh	75, 30.604, 272.338
Yxy	48.5669, 0.2515, 0.2621
Android (android.graphics.Color)	4288199665 (0xFF98BBF1)
YUV	182.6910, 28.7463, -26.9160
Hunter-Lab	69.6900, -2.5918, -27.8963

Details

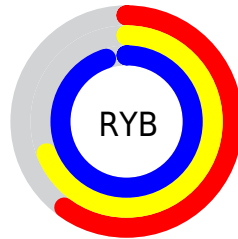
The Yxy color **48.5669, 0.2515, 0.2621** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.1381, 0.3809, 0.3875**, and the grayscale version is **47.0376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8765, 0.2848, 0.3164**, and **23.0944, 0.2351, 0.2444** is the 20% darker color. If you saturate the color by 10%, you get **40.5785, 0.2341, 0.2399**, and if you desaturate by 10%, it is **57.6641, 0.2689, 0.2827**.

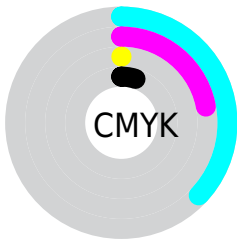
Distribution



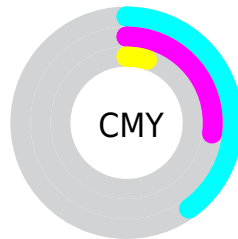
- Red (60%)
- Green (73%)
- Blue (95%)



- Red (60%)
- Yellow (69%)
- Blue (95%)



- Cyan (37%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)



- Cyan (40%)
- Magenta (27%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5669, 0.2515, 0.2621 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 48.5669, 0.2515, 0.2621 by changing the saturation by 10% instead.

■ 48.5669, 0.2515,
0.2621

■ 48.5669, 0.2515,
0.2621

■ 381.0348, 0.2812,
0.2945

■ 34.2760, 0.2444,
0.2544

■ 88.0479, 0.2621,
0.2736

■ 23.1057, 0.2356,
0.2448

■ 114.0068, 0.2661,
0.2780

■ 14.6716, 0.2242,
0.2325

■ 144.6238, 0.2695,
0.2817

■ 8.5892, 0.2090,
0.2162

■ 180.2834, 0.2725,
0.2850

■ 4.4742, 0.1881,
0.1938

■ 221.3698, 0.2751,
0.2878

■ 1.9422, 0.1581,
0.1618

■ 268.2676, 0.2774,

■ 0.5736, 0.1094,

0.2903

0.1090

321.3612, 0.2794,
0.2925

0.0000, 0.0000,
0.0000

48.5669, 0.2515,
0.2621

48.5669, 0.2515,
0.2621

40.5785, 0.2341,
0.2399

57.6641, 0.2689,
0.2827

33.6458, 0.2173,
0.2166

67.9089, 0.2859,
0.3015

27.7187, 0.2017,
0.1928

79.3449, 0.3021,
0.3184

22.7405, 0.1882,
0.1694

92.0116, 0.3173,
0.3335

18.6466, 0.1772,
0.1471

99.1304, 0.3209,
0.3425

■ 15.3595, 0.1691,
0.1270

■ 14.4746, 0.1670,
0.1213

Harmonies

Analogous

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



48.5669, 0.2360, 0.2773



48.5669, 0.2515, 0.2621



48.5669, 0.2832, 0.2636

Triad

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



48.5669, 0.2515, 0.2621



48.5669, 0.3922, 0.3409



48.5669, 0.2966, 0.3866

Complementary

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



48.5669, 0.2515, 0.2621



65.1381, 0.3809, 0.3875

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.



48.5669, 0.3385, 0.4046



48.5669, 0.2515, 0.2621



48.5669, 0.3953, 0.3739

Square

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



48.5669, 0.2515, 0.2621



48.5669, 0.3658, 0.3074



48.5669, 0.3750, 0.3983



48.5669, 0.2606, 0.3496

Rectangle

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



48.5669, 0.2515, 0.2621



48.5669, 0.3105, 0.2730



48.5669, 0.3750, 0.3983



48.5669, 0.3104, 0.3953

Sweetspot

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



48.5688, 0.2515, 0.2621



84.6735, 0.2955, 0.3117



74.0144, 0.2790, 0.3722



17.7444, 0.2933, 0.3094



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.



48.5688, 0.2515, 0.2621



48.5290, 0.2389, 0.2462



36.3977, 0.2515, 0.2190



16.2473, 0.2980, 0.3143



8.0943, 0.1679, 0.1243



0.8617, 0.1751, 0.1503

Inverse Universe

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



44.7621, 0.3670, 0.2908



44.4274, 0.3826, 0.2834



82.3465, 0.3618, 0.4230



15.8617, 0.3231, 0.3198



10.6105, 0.5406, 0.2752



0.9017, 0.5055, 0.2558

Previews

White Background



This preview shows how the Yxy color 48.5669, 0.2515, 0.2621 looks on a white background.

Color Contrast Check

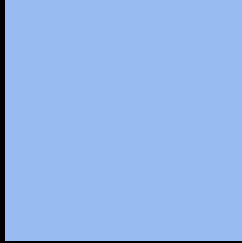
Large Text (above 18pt) WCAG AA × Fail

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 48.5669, 0.2515, 0.2621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

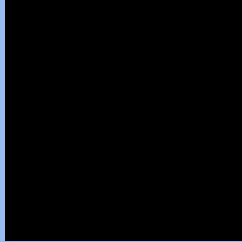
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

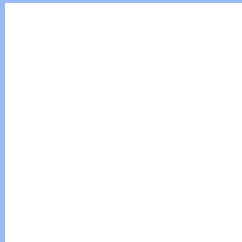
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5669, 0.2515, 0.2621

Background



This preview shows how black text looks on a background with the Yxy color 48.5669, 0.2515, 0.2621.



This preview shows how white text looks on a background with the Yxy color 48.5669, 0.2515, 0.2621.

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

48.5669, 0.2515, 0.2621

Protanopia

48.5861, 0.2643, 0.2623

Deuteranopia

48.5246, 0.2624, 0.2570



Tritanopia

48.6233, 0.2665, 0.3089

Trichromacy



Original Color

48.5669, 0.2515, 0.2621

Protanomaly

48.2995, 0.2591, 0.2617

Deuteranomaly

48.5843, 0.2580, 0.2586

Tritanomaly

48.6320, 0.2609, 0.2912

Monochromacy



Original Color

48.5669, 0.2515, 0.2621

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.4113, 0.2881, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5669, 0.2515, 0.2621 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(152, 187, 241)` looks like.

```
.text, #text, p{  
    color:rgb(152, 187, 241)  
}
```

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(152, 187, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 187, 241) }
```

Border

The CSS property to change the border of an element to Yxy 48.5669, 0.2515, 0.2621 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(152, 187, 241) }
```

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

```
.border{ border-color:rgb(152, 187, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 187, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 187, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 187, 241);  
box-shadow:4px 4px 4px 4px rgb(152, 187,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5669, 0.2515, 0.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 187, 241) }
```

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

```
.background{ background-color: rgb(152,  
187, 241) }
```

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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