

Converting Colors

$Yxy(48.8615, 0.2487, 0.2644)$

Have a look what the booklet for
Yxy(48.8615, 0.2487, 0.2644)
contains.

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Color

Yxy(48.9491, 0.2488, 0.2642)

Conversions

Conversions Part 1

Format	Color
Hex	93BDF1
RGB	147, 189, 241
RGB Percent	58%, 74%, 95%
CMY	0.4238, 0.2587, 0.0549
CMYK	0.39, 0.22, 0.00, 0.05
HSL	213°, 77%, 76%
HSV	213°, 39%, 95%
XYZ	46.0959, 48.9491, 90.2279
YIQ	182.3700, -41.7240, 7.2680

Conversions

Conversions Part 2

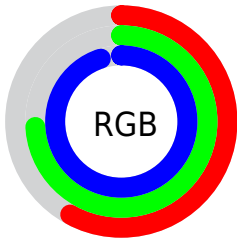
Format	Color
RYB	147, 176, 241
Decimal	9682417
CIELab	75.42, -1.21, -30.24
CIELCh	75, 30.260, 267.700
Yxy	48.9491, 0.2488, 0.2642
Android (android.graphics.Color)	4287872497 (0xFF93BDF1)
YUV	182.3700, 28.9046, -31.0195
Hunter-Lab	69.9636, -4.8307, -27.4882

Details

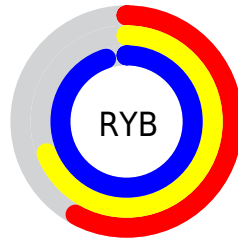
The Yxy color **48.9491, 0.2488, 0.2642** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.6023, 0.3877, 0.3857**, and the grayscale version is **46.8414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3622, 0.2820, 0.3184**, and **23.3864, 0.2323, 0.2472** is the 20% darker color. If you saturate the color by 10%, you get **41.4844, 0.2321, 0.2439**, and if you desaturate by 10%, it is **57.4100, 0.2657, 0.2832**.

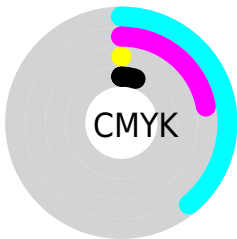
Distribution



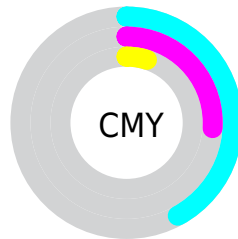
- Red (58%)
- Green (74%)
- Blue (95%)



- Red (58%)
- Yellow (69%)
- Blue (95%)



- Cyan (39%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)





- Cyan (42%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9491, 0.2488, 0.2642 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 48.9491, 0.2488, 0.2642 by changing the saturation by 10% instead.


 48.9491, 0.2488,
0.2642


 48.9491, 0.2488,
0.2642


382.5419, 0.2797,
0.2957

 34.5791, 0.2415,
0.2567


 88.6159, 0.2598,
0.2754

 23.3388, 0.2323,
0.2473


 114.6814, 0.2640,
0.2797

 14.8439, 0.2205,
0.2353


145.4142, 0.2675,
0.2833

 8.7099, 0.2050,
0.2193

181.1988, 0.2706,
0.2865

 4.5525, 0.1836,
0.1972

222.4194, 0.2733,
0.2892

 1.9871, 0.1531,
0.1655

269.4606, 0.2757,

 0.6000, 0.1027,

0.2916

0.1140

322.7066, 0.2778,
0.2938

0.0000, 0.0000,
0.0000

48.9491, 0.2488,
0.2642

48.9491, 0.2488,
0.2642

41.4844, 0.2321,
0.2439

57.4100, 0.2657,
0.2832

34.9668, 0.2163,
0.2226

66.9018, 0.2825,
0.3006

29.3508, 0.2019,
0.2008

77.4643, 0.2987,
0.3163

24.5836, 0.1895,
0.1792

89.1332, 0.3142,
0.3303

20.6051, 0.1796,
0.1586

99.1302, 0.3209,
0.3425

■ 17.3312, 0.1723,
0.1396

■ 17.0424, 0.1716,
0.1378

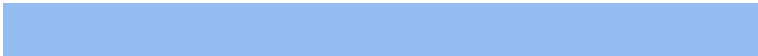
Harmonies

Analogous

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



48.9491, 0.2363, 0.2819



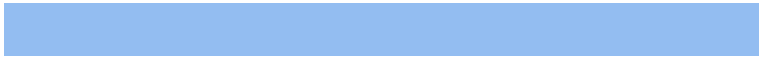
48.9491, 0.2488, 0.2642



48.9491, 0.2779, 0.2632

Triad

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



48.9491, 0.2488, 0.2642



48.9491, 0.3885, 0.3355



48.9491, 0.3031, 0.3900

Complementary

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



48.9491, 0.2488, 0.2642



61.6023, 0.3877, 0.3857

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.



48.9491, 0.3444, 0.4041



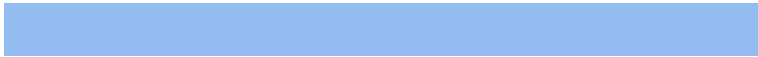
48.9491, 0.2488, 0.2642



48.9491, 0.3953, 0.3687

Square

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



48.9491, 0.2488, 0.2642



48.9491, 0.3595, 0.3030



48.9491, 0.3786, 0.3946



48.9491, 0.2660, 0.3556

Rectangle

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



48.9491, 0.2488, 0.2642



48.9491, 0.3040, 0.2710



48.9491, 0.3786, 0.3946



48.9491, 0.3169, 0.3974

Sweetspot

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



48.9510, 0.2488, 0.2642



84.3349, 0.2939, 0.3117



73.2082, 0.2798, 0.3811



17.7097, 0.2918, 0.3097



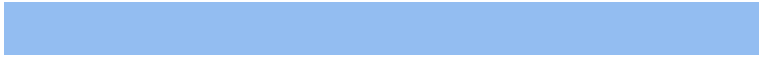
0.0000, 0.0000, 0.0000



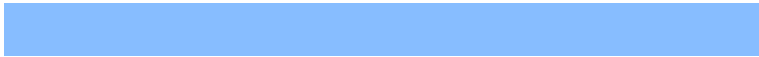
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9510, 0.2488, 0.2642



48.6855, 0.2352, 0.2478



33.8355, 0.2438, 0.2106



16.3934, 0.2980, 0.3156



9.5030, 0.1725, 0.1408



0.9863, 0.1795, 0.1660

Inverse Universe

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



43.2192, 0.3661, 0.2831



42.2946, 0.3826, 0.2738



82.8900, 0.3678, 0.4270



15.8764, 0.3223, 0.3185



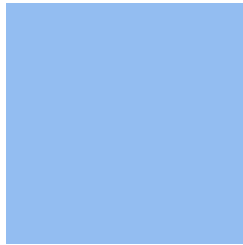
10.7527, 0.5180, 0.2627



0.9143, 0.4856, 0.2449

Previews

White Background



This preview shows how the Yxy color 48.9491, 0.2488, 0.2642 looks on a white background.

Color Contrast Check

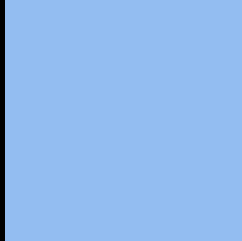
Large Text (above 18pt) WCAG AA × Fail

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 48.9491, 0.2488, 0.2642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

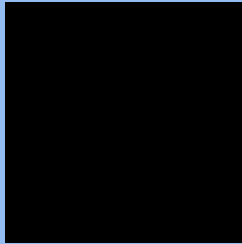
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

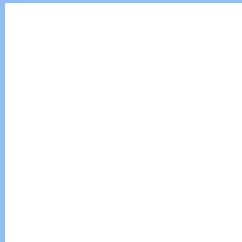
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9491, 0.2488, 0.2642

Background



This preview shows how black text looks on a background with the Yxy color 48.9491, 0.2488, 0.2642.



This preview shows how white text looks on a background with the Yxy color 48.9491, 0.2488, 0.2642.

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

48.9491, 0.2488, 0.2642

Protanopia

48.7521, 0.2662, 0.2636

Deuteranopia

48.6374, 0.2631, 0.2571



Tritanopia

49.1723, 0.2625, 0.3088

Trichromacy



Original Color

48.9491, 0.2488, 0.2642

Protanomaly

48.6575, 0.2598, 0.2640

Deuteranomaly

48.8953, 0.2575, 0.2597

Tritanomaly

49.1112, 0.2576, 0.2923

Monochromacy



Original Color

48.9491, 0.2488, 0.2642

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.4447, 0.2866, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9491, 0.2488, 0.2642 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, 189, 241)` looks like.

```
.text, #text, p{  
    color:rgb(147, 189, 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(147, 189, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 189, 241) }
```

Border

The CSS property to change the border of an element to Yxy 48.9491, 0.2488, 0.2642 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, 189, 241) }
```

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

```
.border{ border-color:rgb(147, 189, 241) }
```

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

Here you see how a box with a 4 pixel rgb(147, 189, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 189, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 189, 241);  
box-shadow:4px 4px 4px 4px rgb(147, 189,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9491, 0.2488, 0.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 189, 241) }
```

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

```
.background{ background-color: rgb(147,  
189, 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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