

# Converting Colors

$Yxy(48.3631, 0.2488, 0.2701)$

Have a look what the booklet for  
Yxy(48.3631, 0.2488, 0.2701)  
contains.

<b>Yxy(48.2021, 0.2486, 0.2693)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.2021, 0.2486, 0.2693)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8EBDEC
RGB	142, 189, 236
RGB Percent	56%, 74%, 93%
CMY	0.4429, 0.2588, 0.0746
CMYK	0.40, 0.20, 0.00, 0.07
HSL	210°, 71%, 74%
HSV	210°, 40%, 93%
XYZ	44.4970, 48.2021, 86.2912
YIQ	180.3050, -43.0990, 4.6530

# Conversions

## Conversions Part 2

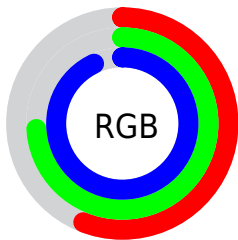
Format	Color
R <sub>YB</sub>	142, 173, 236
Decimal	9354732
CIE Lab	74.95, -3.79, -28.27
CIE LCh	75, 28.522, 262.354
Yxy	48.2021, 0.2486, 0.2693
Android (android.graphics.Color)	4287544812 (0xFF8EBDEC)
YUV	180.3050, 27.4576, -33.5935
Hunter-Lab	69.4277, -7.0959, -25.0917

# Details

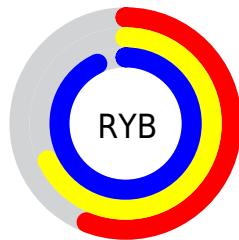
The Yxy color **48.2021, 0.2486, 0.2693** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.1933, 0.3916, 0.3815**, and the grayscale version is **45.6879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5306, 0.2786, 0.3183**, and **22.9298, 0.2320, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **41.4587, 0.2326, 0.2510**, and if you desaturate by 10%, it is **55.8043, 0.2650, 0.2864**.

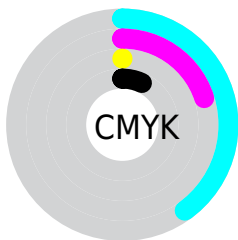
# Distribution



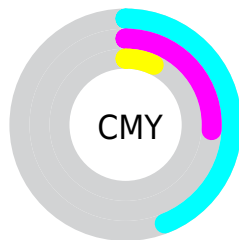
- Red (56%)
- Green (74%)
- Blue (93%)



- Red (56%)
- Yellow (68%)
- Blue (93%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (26%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2021, 0.2486, 0.2693 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 48.2021, 0.2486, 0.2693 by changing the saturation by 10% instead.



■ 48.2021, 0.2486,  
0.2693

■ 48.2021, 0.2486,  
0.2693

■ 379.5926, 0.2797,  
0.2986

■ 33.9870, 0.2412,  
0.2622

■ 87.5052, 0.2596,  
0.2798

■ 22.8836, 0.2320,  
0.2534

■ 113.3620, 0.2638,  
0.2838

■ 14.5076, 0.2200,  
0.2418

■ 143.8681, 0.2675,  
0.2871

■ 8.4745, 0.2042,  
0.2264

■ 179.4080, 0.2706,  
0.2901

■ 4.4001, 0.1825,  
0.2049

■ 220.3660, 0.2733,  
0.2926

■ 1.8998, 0.1511,  
0.1733

■ 267.1265, 0.2757,

■ 0.5482, 0.0929,

0.2948

0.1189

320.0739, 0.2778,  
0.2968

0.0000, 0.0000,  
0.0000

48.2021, 0.2486,  
0.2693

48.2021, 0.2486,  
0.2693

41.4587, 0.2326,  
0.2510

55.8043, 0.2650,  
0.2864

35.5308, 0.2176,  
0.2317

64.2949, 0.2814,  
0.3022

30.3786, 0.2041,  
0.2120

73.7086, 0.2975,  
0.3165

25.9558, 0.1926,  
0.1924

84.0763, 0.3130,  
0.3292

22.2088, 0.1834,  
0.1734

94.4575, 0.3245,  
0.3407

■ 19.0553, 0.1766,  
0.1555

■ 98.8343, 0.3238,  
0.3474

■ 18.9955, 0.1764,  
0.1551

# Harmonies

## Analogous

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



48.2021, 0.2397, 0.2891



48.2021, 0.2486, 0.2693



48.2021, 0.2738, 0.2654

# Triad

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



48.2021, 0.2486, 0.2693



48.2021, 0.3809, 0.3296



48.2021, 0.3107, 0.3906

# Complementary

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



48.2021, 0.2486, 0.2693



56.1933, 0.3916, 0.3815

# 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.



48.2021, 0.3494, 0.3999



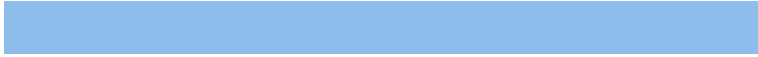
48.2021, 0.2486, 0.2693



48.2021, 0.3915, 0.3616

# Square

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



48.2021, 0.2486, 0.2693



48.2021, 0.3506, 0.2993



48.2021, 0.3795, 0.3879



48.2021, 0.2740, 0.3609



# Rectangle

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



48.2021, 0.2486, 0.2693



48.2021, 0.2976, 0.2712



48.2021, 0.3795, 0.3879



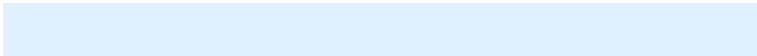
48.2021, 0.3239, 0.3963

# Sweetspot

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



48.2039, 0.2486, 0.2693



85.2711, 0.2939, 0.3134



69.4043, 0.2818, 0.3885



17.9298, 0.2918, 0.3115



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

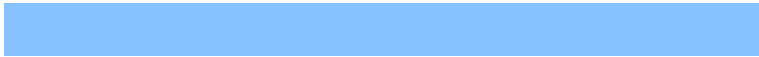


# Same Dimension

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



48.2039, 0.2486, 0.2693



50.6568, 0.2351, 0.2540



31.1754, 0.2389, 0.2070



15.7928, 0.2981, 0.3169



10.7328, 0.1772, 0.1579



1.0352, 0.1842, 0.1830



# Inverse Universe

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



40.8662, 0.3623, 0.2770



41.8106, 0.3777, 0.2664



79.7556, 0.3723, 0.4275



15.1796, 0.3215, 0.3173



10.5763, 0.4957, 0.2504

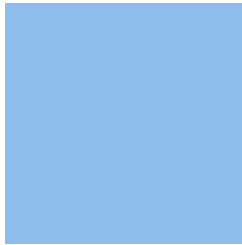


0.8499, 0.4650, 0.2335



# Previews

## White Background



This preview shows how the Yxy color 48.2021, 0.2486, 0.2693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

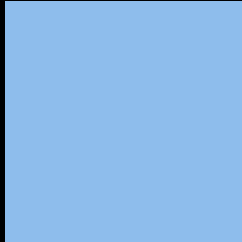
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2021, 0.2486, 0.2693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

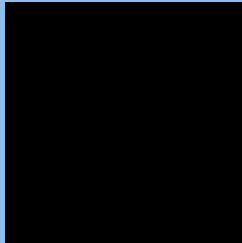
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

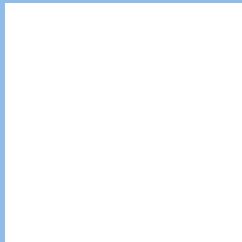
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.2021, 0.2486, 0.2693**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2021, 0.2486, 0.2693.

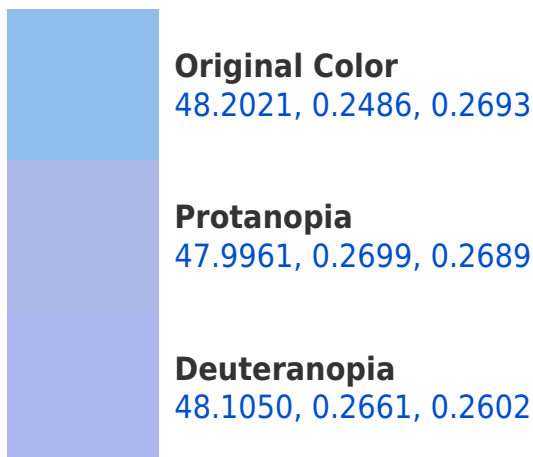


This preview shows how white text looks on a background with the Yxy color 48.2021, 0.2486, 0.2693.

# 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





## Tritanopia

48.3379, 0.2604, 0.3086

# Trichromacy



**Original Color**

48.2021, 0.2486, 0.2693

**Protanomaly**

48.1582, 0.2614, 0.2693

**Deuteranomaly**

48.0768, 0.2596, 0.2637

**Tritanomaly**

48.2170, 0.2561, 0.2932

# Monochromacy



**Original Color**

48.2021, 0.2486, 0.2693

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

46.1441, 0.2863, 0.3066

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2021, 0.2486, 0.2693 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(142, 189, 236)` looks like.

```
.text, #text, p{  
    color:rgb(142, 189, 236)  
}
```

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(142, 189, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 189, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2021, 0.2486, 0.2693 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(142, 189, 236) }
```

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

```
.border{ border-color:rgb(142, 189, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 189, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 189, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 189, 236); box-shadow:4px 4px 4px 4px rgb(142, 189, 236) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2021, 0.2486, 0.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 189, 236) }
```

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

```
.background{ background-color: rgb(142,  
189, 236) }
```

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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