

Converting Colors

$Y_{xy}(48.3502, 0.2512, 0.2742)$

Have a look what the booklet for
Yxy(48.3502, 0.2512, 0.2742)
contains.

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Color

Yxy(48.4927, 0.2515, 0.2753)

Conversions

Conversions Part 1

Format	Color
Hex	8FBEE8
RGB	143, 190, 232
RGB Percent	56%, 75%, 91%
CMY	0.4393, 0.2549, 0.0903
CMYK	0.38, 0.18, 0.00, 0.09
HSL	208°, 66%, 74%
HSV	208°, 38%, 91%
XYZ	44.3005, 48.4927, 83.3518
YIQ	180.7350, -41.4940, 3.0980

Conversions

Conversions Part 2

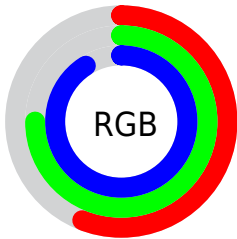
Format	Color
RYB	143, 174, 232
Decimal	9420520
CIELab	75.13, -5.15, -25.83
CIELCh	75, 26.337, 258.715
Yxy	48.4927, 0.2515, 0.2753
Android (android.graphics.Color)	4287610600 (0xFF8FBEE8)
YUV	180.7350, 25.2736, -33.0936
Hunter-Lab	69.6367, -8.3087, -22.2216

Details

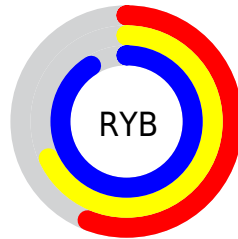
The Yxy color **48.4927, 0.2515, 0.2753** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.8084, 0.3891, 0.3768**, and the grayscale version is **45.9338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2736, 0.2793, 0.3194**, and **23.1006, 0.2355, 0.2615** is the 20% darker color. If you saturate the color by 10%, you get **42.0720, 0.2358, 0.2583**, and if you desaturate by 10%, it is **55.7008, 0.2677, 0.2912**.

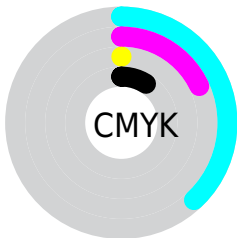
Distribution



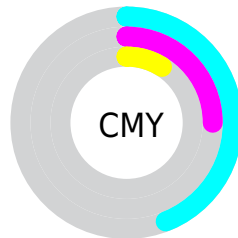
- Red (56%)
- Green (75%)
- Blue (91%)



- Red (56%)
- Yellow (68%)
- Blue (91%)



- Cyan (38%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (44%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4927, 0.2515, 0.2753 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 48.4927, 0.2515, 0.2753 by changing the saturation by 10% instead.

■ 48.4927, 0.2515,
0.2753

■ 48.4927, 0.2515,
0.2753

■ 380.7418, 0.2812,
0.3018

■ 34.2172, 0.2444,
0.2689

■ 87.9375, 0.2620,
0.2848

■ 23.0605, 0.2355,
0.2607

■ 113.8757, 0.2661,
0.2884

■ 14.6382, 0.2241,
0.2502

■ 144.4702, 0.2695,
0.2915

■ 8.5659, 0.2089,
0.2359

■ 180.1054, 0.2725,
0.2941

■ 4.4591, 0.1877,
0.2158

■ 221.1658, 0.2751,
0.2964

■ 1.9336, 0.1570,
0.1858

■ 268.0357, 0.2774,

■ 0.5684, 0.0971,

0.2984

0.1332

321.0996, 0.2794,
0.3002

0.0000, 0.0000,
0.0000

48.4927, 0.2515,
0.2753

48.4927, 0.2515,
0.2753

42.0720, 0.2358,
0.2583

55.7008, 0.2677,
0.2912

36.3987, 0.2210,
0.2403

63.7226, 0.2839,
0.3058

31.4372, 0.2077,
0.2218

72.5896, 0.2998,
0.3190

27.1455, 0.1962,
0.2033

82.3299, 0.3152,
0.3308

23.4754, 0.1871,
0.1851

92.2103, 0.3272,
0.3415

■ 20.3608, 0.1802,
0.1678

■ 98.6049, 0.3262,
0.3513

■ 19.8907, 0.1792,
0.1650

Harmonies

Analogous

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



48.4927, 0.2452, 0.2955



48.4927, 0.2515, 0.2753



48.4927, 0.2733, 0.2697

Triad

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



48.4927, 0.2515, 0.2753



48.4927, 0.3729, 0.3262



48.4927, 0.3155, 0.3876

Complementary

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



48.4927, 0.2515, 0.2753



53.8084, 0.3891, 0.3768

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.



48.4927, 0.3507, 0.3939



48.4927, 0.2515, 0.2753



48.4927, 0.3852, 0.3560

Square

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



48.4927, 0.2515, 0.2753



48.4927, 0.3434, 0.2985



48.4927, 0.3767, 0.3811



48.4927, 0.2808, 0.3623

Rectangle

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



48.4927, 0.2515, 0.2753



48.4927, 0.2946, 0.2740



48.4927, 0.3767, 0.3811



48.4927, 0.3277, 0.3920

Sweetspot

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



48.4946, 0.2515, 0.2753



85.7885, 0.2940, 0.3143



67.0205, 0.2844, 0.3899



18.0515, 0.2919, 0.3126



0.0000, 0.0000, 0.0000



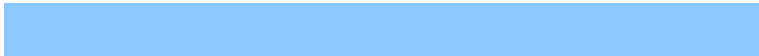
21.4041, 0.3127, 0.3290

Same Dimension

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



48.4946, 0.2515, 0.2753



53.7631, 0.2391, 0.2620



32.2027, 0.2427, 0.2161



15.1417, 0.2981, 0.3176



11.2993, 0.1800, 0.1678



1.0207, 0.1870, 0.1931

Inverse Universe

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



40.5082, 0.3572, 0.2762



43.5067, 0.3703, 0.2656



75.1794, 0.3713, 0.4213



14.4947, 0.3210, 0.3166



10.3384, 0.4834, 0.2436



0.7827, 0.4532, 0.2270

Previews

White Background



This preview shows how the Yxy color 48.4927, 0.2515, 0.2753 looks on a white background.

Color Contrast Check

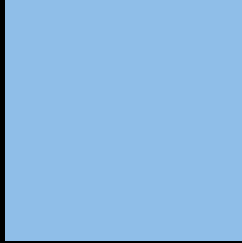
Large Text (above 18pt) WCAG AA × Fail

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 48.4927, 0.2515, 0.2753 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

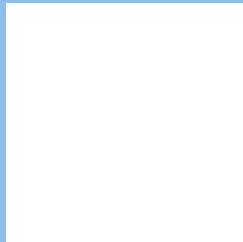
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4927, 0.2515, 0.2753

Background



This preview shows how black text looks on a background with the Yxy color 48.4927, 0.2515, 0.2753.



This preview shows how white text looks on a background with the Yxy color 48.4927, 0.2515, 0.2753.

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

48.4927, 0.2515, 0.2753

Protanopia

48.4117, 0.2740, 0.2748

Deuteranopia

48.2184, 0.2707, 0.2649



Tritanopia

48.5551, 0.2611, 0.3074

Trichromacy



Original Color

48.4927, 0.2515, 0.2753

Protanomaly

48.5615, 0.2653, 0.2753

Deuteranomaly

48.0567, 0.2633, 0.2683

Tritanomaly

48.6909, 0.2575, 0.2959

Monochromacy



Original Color

48.4927, 0.2515, 0.2753

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.6666, 0.2871, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4927, 0.2515, 0.2753 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(143, 190, 232)` looks like.

```
.text, #text, p{  
    color:rgb(143, 190, 232)  
}
```

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(143, 190, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 190, 232) }
```

Border

The CSS property to change the border of an element to Yxy 48.4927, 0.2515, 0.2753 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(143, 190, 232) }
```

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

```
.border{ border-color:rgb(143, 190, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 190, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 190, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 190, 232);  
box-shadow:4px 4px 4px 4px rgb(143, 190,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4927, 0.2515, 0.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 190, 232) }
```

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

```
.background{ background-color: rgb(143,  
190, 232) }
```

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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