

Converting Colors

$Y_{xy}(48.1399, 0.2519, 0.2543)$

Have a look what the booklet for
Yxy(48.1399, 0.2519, 0.2543)
contains.

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Color

Yxy(48.0417, 0.2518, 0.2546)

Conversions

Conversions Part 1

Format	Color
Hex	9DB8F5
RGB	157, 184, 245
RGB Percent	62%, 72%, 96%
CMY	0.3846, 0.2783, 0.0393
CMYK	0.36, 0.25, 0.00, 0.04
HSL	222°, 81%, 79%
HSV	222°, 36%, 96%
XYZ	47.5134, 48.0417, 93.1398
YIQ	182.8810, -35.6730, 13.2470

Conversions

Conversions Part 2

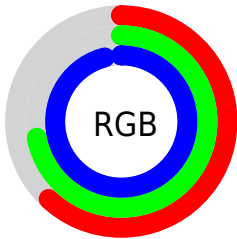
Format	Color
R_{YB}	157, 178, 245
Decimal	10336501
CIE _{Lab}	74.85, 5.22, -33.21
CIE _{LCh}	75, 33.623, 278.935
Yxy	48.0417, 0.2518, 0.2546
Android (android.graphics.Color)	4288526581 (0xFF9DB8F5)
YUV	182.8810, 30.6247, -22.6976
Hunter-Lab	69.3121, 1.0653, -31.1538

Details

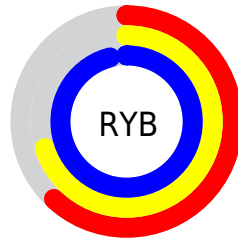
The Yxy color **48.0417, 0.2518, 0.2546** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.9250, 0.3762, 0.3934**, and the grayscale version is **47.1234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8363, 0.2876, 0.3134**, and **22.7315, 0.2352, 0.2347** is the 20% darker color. If you saturate the color by 10%, you get **39.1930, 0.2334, 0.2293**, and if you desaturate by 10%, it is **58.2328, 0.2699, 0.2781**.

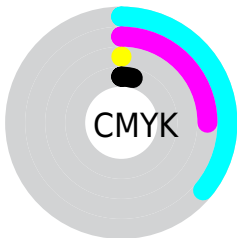
Distribution



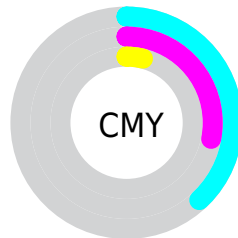
- Red (62%)
- Green (72%)
- Blue (96%)



- Red (62%)
- Yellow (70%)
- Blue (96%)



- Cyan (36%)
- Magenta (25%)
- Yellow (0%)
- Black (4%)



- Cyan (38%)
- Magenta (28%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0417, 0.2518, 0.2546 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 48.0417, 0.2518, 0.2546 by changing the saturation by 10% instead.

■ 48.0417, 0.2518,
0.2546

■ 48.0417, 0.2518,
0.2546

■ 378.9574, 0.2815,
0.2903

■ 33.8599, 0.2447,
0.2462

■ 87.2665, 0.2624,
0.2672

■ 22.7860, 0.2358,
0.2358

■ 113.0783, 0.2664,
0.2720

■ 14.4356, 0.2244,
0.2226

■ 143.5355, 0.2698,
0.2762

■ 8.4242, 0.2093,
0.2052

■ 179.0226, 0.2728,
0.2797

■ 4.3676, 0.1884,
0.1816

■ 219.9240, 0.2754,
0.2829

■ 1.8812, 0.1584,
0.1485

■ 266.6239, 0.2777,

■ 0.5371, 0.1123,

0.2856

0.0946

319.5069, 0.2797,
0.2881

0.0000, 0.0000,
0.0000

48.0417, 0.2518,
0.2546

48.0417, 0.2518,
0.2546

39.1930, 0.2334,
0.2293

58.2328, 0.2699,
0.2781

31.6217, 0.2154,
0.2028

69.8162, 0.2873,
0.2995

25.2652, 0.1985,
0.1761

82.8459, 0.3036,
0.3187

20.0530, 0.1838,
0.1502

97.3713, 0.3187,
0.3356

15.9057, 0.1719,
0.1264

99.3715, 0.3185,
0.3386

■ 12.7305, 0.1634,
0.1059

■ 11.6762, 0.1608,
0.0987

Harmonies

Analogous

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



48.0417, 0.2308, 0.2668



48.0417, 0.2518, 0.2546



48.0417, 0.2895, 0.2602

Triad

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



48.0417, 0.2518, 0.2546



48.0417, 0.4036, 0.3498



48.0417, 0.2850, 0.3853

Complementary

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



48.0417, 0.2518, 0.2546



71.9250, 0.3762, 0.3934

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.



48.0417, 0.3306, 0.4108



48.0417, 0.2518, 0.2546



48.0417, 0.4008, 0.3849

Square

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



48.0417, 0.2518, 0.2546



48.0417, 0.3796, 0.3128



48.0417, 0.3733, 0.4089



48.0417, 0.2487, 0.3413

Rectangle

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



48.0417, 0.2518, 0.2546



48.0417, 0.3206, 0.2726



48.0417, 0.3733, 0.4089



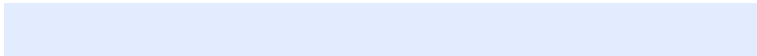
48.0417, 0.2998, 0.3966

Sweetspot

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



48.0435, 0.2518, 0.2546



83.2930, 0.2955, 0.3092



77.4698, 0.2759, 0.3618



17.4167, 0.2932, 0.3066



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.



48.0435, 0.2518, 0.2546



45.5485, 0.2386, 0.2367



39.5737, 0.2587, 0.2237



16.7584, 0.2980, 0.3121



6.5058, 0.1615, 0.1015



0.7463, 0.1683, 0.1259

Inverse Universe

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



46.9608, 0.3725, 0.2998



44.8763, 0.3902, 0.2940



84.3574, 0.3554, 0.4223



16.5665, 0.3245, 0.3217



10.7561, 0.5736, 0.2934



0.9630, 0.5383, 0.2739

Previews

White Background



This preview shows how the Yxy color 48.0417, 0.2518, 0.2546 looks on a white background.

Color Contrast Check

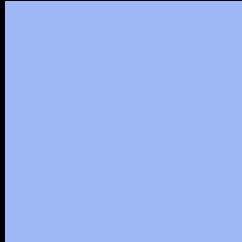
Large Text (above 18pt) WCAG AA × Fail

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 48.0417, 0.2518, 0.2546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

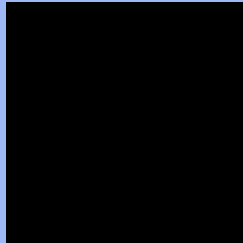
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

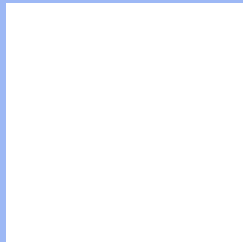
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0417, 0.2518, 0.2546

Background



This preview shows how black text looks on a background with the Yxy color 48.0417, 0.2518, 0.2546.



This preview shows how white text looks on a background with the Yxy color 48.0417, 0.2518, 0.2546.

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

48.0417, 0.2518, 0.2546

Protanopia

48.1425, 0.2591, 0.2554

Deuteranopia

47.9171, 0.2572, 0.2511



Tritanopia

48.0137, 0.2701, 0.3089

Trichromacy



Original Color

48.0417, 0.2518, 0.2546

Protanomaly

48.1852, 0.2561, 0.2551

Deuteranomaly

47.8962, 0.2548, 0.2518

Tritanomaly

47.7131, 0.2630, 0.2874

Monochromacy



Original Color

48.0417, 0.2518, 0.2546

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.3219, 0.2882, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0417, 0.2518, 0.2546 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(157, 184, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 184, 245) }
```

Border

The CSS property to change the border of an element to Yxy 48.0417, 0.2518, 0.2546 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, 245) }
```

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

```
.border{ border-color:rgb(157, 184, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 184, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 184, 245);  
box-shadow:4px 4px 4px 4px rgb(157, 184,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0417, 0.2518, 0.2546 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, 245) }
```

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

```
.background{ background-color: rgb(157,  
184, 245) }
```

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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