

Converting Colors

$Y_{xy}(50.4340, 0.2507, 0.2485)$

Have a look what the booklet for
Yxy(50.4340, 0.2507, 0.2485)
contains.

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Color

Yxy(50.5472, 0.2507, 0.2488)

Conversions

Conversions Part 1

Format	Color
Hex	A3BBFF
RGB	163, 187, 255
RGB Percent	64%, 73%, 100%
CMY	0.3606, 0.2667, 0.0000
CMYK	0.36, 0.27, 0.00, 0.00
HSL	224°, 100%, 82%
HSV	224°, 36%, 100%
XYZ	50.9332, 50.5472, 101.6836
YIQ	187.5760, -36.1320, 16.0600

Conversions

Conversions Part 2

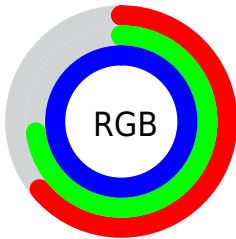
Format	Color
RYB	163, 182, 255
Decimal	10730495
CIELab	76.40, 7.83, -36.17
CIELCh	76, 37.012, 282.214
Yxy	50.5472, 0.2507, 0.2488
Android (android.graphics.Color)	4288920575 (0xFFA3BBFF)
YUV	187.5760, 33.2400, -21.5532
Hunter-Lab	71.0966, 3.4575, -35.0300

Details

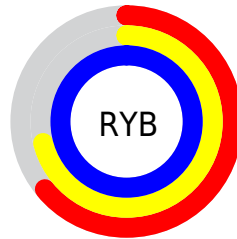
The Yxy color **50.5472, 0.2507, 0.2488** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.0960, 0.3750, 0.3978**, and the grayscale version is **49.8661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5368, 0.2913, 0.3167**, and **24.3156, 0.2349, 0.2293** is the 20% darker color. If you saturate the color by 10%, you get **40.6378, 0.2317, 0.2217**, and if you desaturate by 10%, it is **62.0536, 0.2693, 0.2741**.

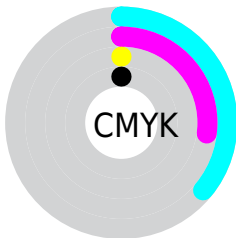
Distribution



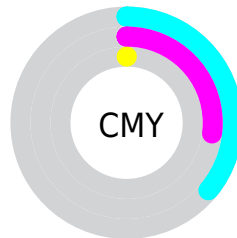
- Red (64%)
- Green (73%)
- Blue (100%)



- Red (64%)
- Yellow (71%)
- Blue (100%)



- Cyan (36%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5472, 0.2507, 0.2488 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 50.5472, 0.2507, 0.2488 by changing the saturation by 10% instead.

■ 50.5472, 0.2507,
0.2488

■ 50.5472, 0.2507,
0.2488

■ 388.8020, 0.2807,
0.2866

■ 35.8484, 0.2436,
0.2401

■ 90.9851, 0.2613,
0.2620

■ 24.3171, 0.2348,
0.2294

■ 117.4930, 0.2654,
0.2671

■ 15.5690, 0.2236,
0.2158

■ 148.7060, 0.2688,
0.2715

■ 9.2197, 0.2088,
0.1983

■ 185.0085, 0.2719,
0.2753

■ 4.8848, 0.1886,
0.1750

■ 226.7850, 0.2745,
0.2787

■ 2.1798, 0.1602,
0.1431

■ 274.4198, 0.2768,

■ 0.7090, 0.1190,

0.2817

0.0975

328.2974, 0.2788,
0.2843

0.0000, 0.0000,
0.0000

50.5472, 0.2507,
0.2488

50.5472, 0.2507,
0.2488

40.6378, 0.2317,
0.2217

62.0536, 0.2693,
0.2741

32.2473, 0.2131,
0.1934

75.2208, 0.2870,
0.2971

25.2975, 0.1957,
0.1651

90.1148, 0.3034,
0.3177

19.7010, 0.1805,
0.1383

100.0000, 0.3127,
0.3290

15.3594, 0.1685,
0.1143

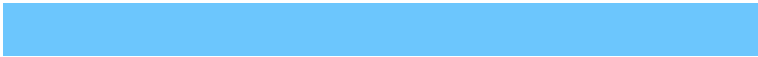
■ 12.1578, 0.1602,
0.0945

■ 11.1605, 0.1578,
0.0880

Harmonies

Analogous

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



50.5472, 0.2262, 0.2594



50.5472, 0.2507, 0.2488



50.5472, 0.2928, 0.2569

Triad

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



50.5472, 0.2507, 0.2488



50.5472, 0.4123, 0.3552



50.5472, 0.2776, 0.3857

Complementary

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



50.5472, 0.2507, 0.2488



81.0960, 0.3750, 0.3978

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.



50.5472, 0.3262, 0.4164



50.5472, 0.2507, 0.2488



50.5472, 0.4057, 0.3925

Square

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



50.5472, 0.2507, 0.2488



50.5472, 0.3892, 0.3155



50.5472, 0.3734, 0.4170



50.5472, 0.2404, 0.3365

Rectangle

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



50.5472, 0.2507, 0.2488



50.5472, 0.3267, 0.2712



50.5472, 0.3734, 0.4170



50.5472, 0.2931, 0.3989

Sweetspot

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



50.5488, 0.2507, 0.2488



82.5316, 0.2954, 0.3078



85.0528, 0.2735, 0.3567



17.2362, 0.2932, 0.3050



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.



50.5488, 0.2507, 0.2488



43.5018, 0.2375, 0.2301



43.6881, 0.2617, 0.2239



18.1464, 0.2979, 0.3109



6.0352, 0.1585, 0.0906



0.7557, 0.1644, 0.1117

Inverse Universe

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



51.0620, 0.3771, 0.3041



44.6697, 0.3957, 0.2994



91.5822, 0.3525, 0.4238



18.0647, 0.3253, 0.3228



11.3372, 0.5903, 0.3025



1.1208, 0.5586, 0.2851

Previews

White Background



This preview shows how the Yxy color 50.5472, 0.2507, 0.2488 looks on a white background.

Color Contrast Check

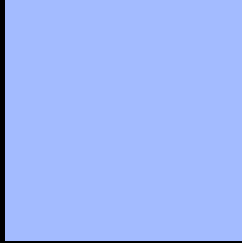
Large Text (above 18pt) WCAG AA × Fail

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 50.5472, 0.2507, 0.2488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

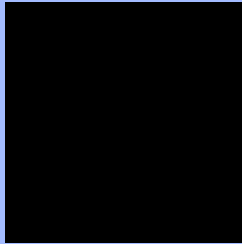
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5472, 0.2507, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 50.5472, 0.2507, 0.2488.



This preview shows how white text looks on a background with the Yxy color 50.5472, 0.2507, 0.2488.

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

50.5472, 0.2507, 0.2488

Protanopia

50.5984, 0.2542, 0.2492

Deuteranopia

50.6626, 0.2536, 0.2483



Tritanopia

50.5057, 0.2709, 0.3081

Trichromacy



Original Color

50.5472, 0.2507, 0.2488

Protanomaly

50.3806, 0.2529, 0.2490

Deuteranomaly

50.4448, 0.2524, 0.2480

Tritanomaly

50.4134, 0.2634, 0.2849

Monochromacy



Original Color

50.5472, 0.2507, 0.2488

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.3036, 0.2881, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5472, 0.2507, 0.2488 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(163, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 187, 255)  
}
```

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(163, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.5472, 0.2507, 0.2488 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(163, 187, 255) }
```

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

```
.border{ border-color:rgb(163, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5472, 0.2507, 0.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 187, 255) }
```

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

```
.background{ background-color: rgb(163,  
187, 255) }
```

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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