

Converting Colors

$Yxy(48.6009, 0.2554, 0.2441)$

Have a look what the booklet for
Yxy(48.6009, 0.2554, 0.2441)
contains.

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Color

Yxy(48.6856, 0.2552, 0.2445)

Conversions

Conversions Part 1

Format	Color
Hex	AAB5FD
RGB	170, 181, 253
RGB Percent	67%, 71%, 99%
CMY	0.3336, 0.2901, 0.0080
CMYK	0.33, 0.28, 0.00, 0.01
HSL	232°, 95%, 83%
HSV	232°, 33%, 99%
XYZ	50.8162, 48.6856, 99.6213
YIQ	185.9190, -29.6680, 20.0600

Conversions

Conversions Part 2

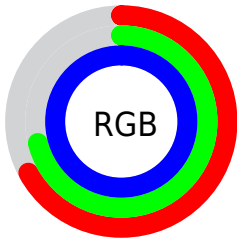
Format	Color
RYB	170, 180, 253
Decimal	11187709
CIELab	75.26, 12.47, -36.82
CIELCh	75, 38.878, 288.708
Yxy	48.6856, 0.2552, 0.2445
Android (android.graphics.Color)	4289377789 (0xFFAAB5FD)
YUV	185.9190, 33.0709, -13.9610
Hunter-Lab	69.7751, 7.8927, -35.8087

Details

The Yxy color **48.6856, 0.2552, 0.2445** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.2092, 0.3657, 0.4013**, and the grayscale version is **48.8746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1193, 0.2955, 0.3107**, and **23.0687, 0.2399, 0.2235** is the 20% darker color. If you saturate the color by 10%, you get **37.9106, 0.2350, 0.2134**, and if you desaturate by 10%, it is **61.4089, 0.2745, 0.2735**.

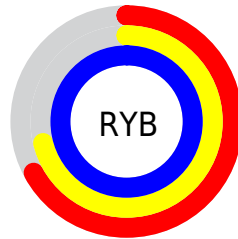
Distribution



Red (67%)

Green (71%)

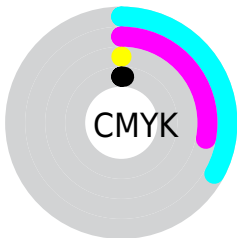
Blue (99%)



Red (67%)

Yellow (71%)

Blue (99%)

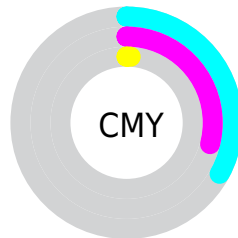


Cyan (33%)

Magenta (28%)

Yellow (0%)

Black (1%)



Cyan (33%)

Magenta (29%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6856, 0.2552, 0.2445 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 48.6856, 0.2552, 0.2445 by changing the saturation by 10% instead.

■ 48.6856, 0.2552,
0.2445

■ 48.6856, 0.2552,
0.2445

■ 381.5033, 0.2834,
0.2843

■ 34.3701, 0.2485,
0.2354

■ 88.2243, 0.2652,
0.2584

■ 23.1781, 0.2400,
0.2241

■ 114.2164, 0.2691,
0.2637

■ 14.7251, 0.2292,
0.2100

■ 144.8694, 0.2723,
0.2684

■ 8.6267, 0.2148,
0.1917

■ 180.5678, 0.2751,
0.2724

■ 4.4985, 0.1951,
0.1675

■ 221.6961, 0.2776,
0.2759

■ 1.9561, 0.1668,
0.1345

■ 268.6384, 0.2797,

■ 0.5818, 0.1254,

0.2790

0.0851

321.7794, 0.2817,
0.2818

0.0000, 0.0000,
0.0000

48.6856, 0.2552,
0.2445

48.6856, 0.2552,
0.2445

37.9106, 0.2350,
0.2134

61.4089, 0.2745,
0.2735

28.9816, 0.2147,
0.1811

76.1648, 0.2923,
0.2997

21.7957, 0.1954,
0.1494

93.0392, 0.3085,
0.3230

16.2370, 0.1784,
0.1202

99.8699, 0.3139,
0.3309

12.1755, 0.1651,
0.0956

■ 9.4602, 0.1562,
0.0774

■ 8.2219, 0.1524,
0.0685

Harmonies

Analogous

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



48.6856, 0.2250, 0.2510



48.6856, 0.2552, 0.2445



48.6856, 0.3028, 0.2570

Triad

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



48.6856, 0.2552, 0.2445



48.6856, 0.4198, 0.3654



48.6856, 0.2653, 0.3790

Complementary

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



48.6856, 0.2552, 0.2445



87.2092, 0.3657, 0.4013

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.



48.6856, 0.3152, 0.4180



48.6856, 0.2552, 0.2445



48.6856, 0.4059, 0.4032

Square

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



48.6856, 0.2552, 0.2445



48.6856, 0.4019, 0.3233



48.6856, 0.3669, 0.4251



48.6856, 0.2300, 0.3250

Rectangle

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



48.6856, 0.2552, 0.2445



48.6856, 0.3395, 0.2742



48.6856, 0.3669, 0.4251



48.6856, 0.2809, 0.3949

Sweetspot

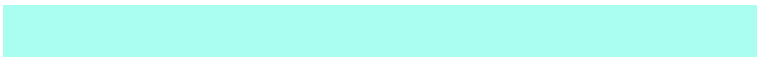
The Sweet Spot groups the original color and five complimentary colors.



48.6875, 0.2552, 0.2445



82.1850, 0.2970, 0.3066



85.0923, 0.2718, 0.3427



17.0929, 0.2947, 0.3032



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.



48.6875, 0.2552, 0.2445



42.5570, 0.2428, 0.2254



47.9573, 0.2743, 0.2364



17.7688, 0.2979, 0.3077



4.4914, 0.1528, 0.0701



0.5522, 0.1572, 0.0859

Inverse Universe

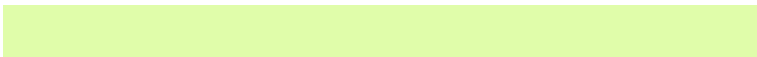
The Inverse Universe completely reimagines the original color for something new.



52.9398, 0.3790, 0.3175



47.7445, 0.3975, 0.3153



88.9639, 0.3425, 0.4170



18.0266, 0.3273, 0.3259



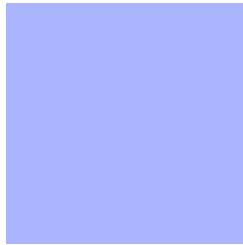
11.1814, 0.6231, 0.3206



1.1003, 0.5976, 0.3066

Previews

White Background



This preview shows how the Yxy color 48.6856, 0.2552, 0.2445 looks on a white background.

Color Contrast Check

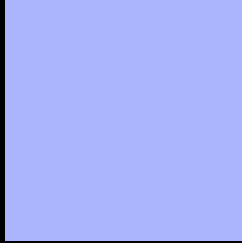
Large Text (above 18pt) WCAG AA × Fail

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 48.6856, 0.2552, 0.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

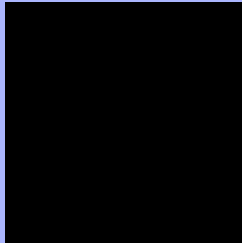
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6856, 0.2552, 0.2445

Background



This preview shows how black text looks on a background with the Yxy color 48.6856, 0.2552, 0.2445.



This preview shows how white text looks on a background with the Yxy color 48.6856, 0.2552, 0.2445.

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

48.6856, 0.2552, 0.2445

Protanopia

48.9152, 0.2511, 0.2451

Deuteranopia

48.9582, 0.2523, 0.2462



Tritanopia

48.6056, 0.2782, 0.3093

Trichromacy



Original Color

48.6856, 0.2552, 0.2445

Protanomaly

48.7186, 0.2522, 0.2441

Deuteranomaly

48.7632, 0.2534, 0.2452

Tritanomaly

48.6011, 0.2698, 0.2847

Monochromacy



Original Color

48.6856, 0.2552, 0.2445

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.6374, 0.2901, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6856, 0.2552, 0.2445 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(170, 181, 253)` looks like.

```
.text, #text, p{  
    color:rgb(170, 181, 253)  
}
```

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(170, 181, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 181, 253) }
```

Border

The CSS property to change the border of an element to Yxy 48.6856, 0.2552, 0.2445 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(170, 181, 253) }
```

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

```
.border{ border-color:rgb(170, 181, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 181, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 181, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 181, 253); box-shadow:4px 4px 4px 4px rgb(170, 181, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6856, 0.2552, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 181, 253) }
```

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

```
.background{ background-color: rgb(170,  
181, 253) }
```

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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