

Converting Colors

Yxy(50.4588, 0.2784, 0.2880)

Have a look what the booklet for
Yxy(50.4588, 0.2784, 0.2880)
contains.

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Color

Yxy(50.3543, 0.2784, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	AFBCDE
RGB	175, 188, 222
RGB Percent	69%, 74%, 87%
CMY	0.3138, 0.2627, 0.1294
CMYK	0.21, 0.15, 0.00, 0.13
HSL	223°, 42%, 78%
HSV	223°, 21%, 87%
XYZ	48.8454, 50.3543, 76.2508
YIQ	187.9890, -18.6620, 7.8180

Conversions

Conversions Part 2

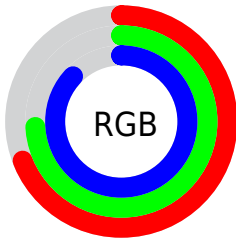
Format	Color
RYB	175, 185, 222
Decimal	11517150
CIELab	76.29, 2.71, -18.49
CIELCh	76, 18.690, 278.340
Yxy	50.3543, 0.2784, 0.2870
Android (android.graphics.Color)	4289707230 (0xFFAFBCDE)
YUV	187.9890, 16.7674, -11.3914
Hunter-Lab	70.9608, -1.3119, -14.0375

Details

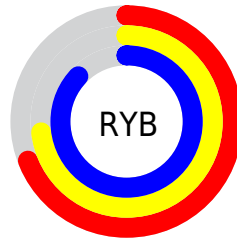
The Yxy color $50.3543, 0.2784, 0.2870$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $64.2181, 0.3474, 0.3677$, and the grayscale version is $50.1942, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.9103, 0.2981, 0.3179$, and $24.2555, 0.2692, 0.2759$ is the 20% darker color. If you saturate the color by 10%, you get $41.5132, 0.2605, 0.2636$, and if you desaturate by 10%, it is $60.3848, 0.2953, 0.3081$.

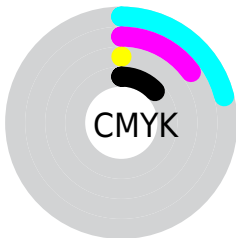
Distribution



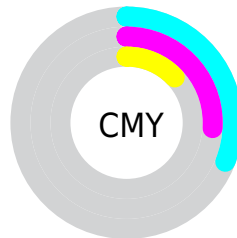
- Red (69%)
- Green (74%)
- Blue (87%)



- Red (69%)
- Yellow (73%)
- Blue (87%)



- Cyan (21%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (31%)
- Magenta (26%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3543, 0.2784, 0.2870 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 50.3543, 0.2784, 0.2870 by changing the saturation by 10% instead.

■ 50.3543, 0.2784,
0.2870

■ 50.3543, 0.2784,
0.2870

388.0499, 0.2952,
0.3074

■ 35.6950, 0.2743,
0.2821

■ 90.6996, 0.2844,
0.2943

■ 24.1987, 0.2691,
0.2759

117.1544, 0.2867,
0.2971

■ 15.4811, 0.2624,
0.2679

148.3098, 0.2887,
0.2994

■ 9.1577, 0.2532,
0.2570

184.5502, 0.2903,
0.3015

■ 4.8442, 0.2401,
0.2416

226.2600, 0.2918,
0.3032

■ 2.1561, 0.2198,
0.2183

273.8236, 0.2931,

■ 0.6959, 0.1850,

0.3048

0.1769

327.6255, 0.2942,
0.3062

0.0000, 0.0000,
0.0000

50.3543, 0.2784,
0.2870

50.3543, 0.2784,
0.2870

41.5132, 0.2605,
0.2636

60.3848, 0.2953,
0.3081

33.8098, 0.2420,
0.2381

71.6414, 0.3110,
0.3269

27.1977, 0.2234,
0.2111

84.1670, 0.3253,
0.3435

21.6246, 0.2055,
0.1835

96.2942, 0.3325,
0.3585

17.0335, 0.1893,
0.1563

98.0539, 0.3321,
0.3611

■ 13.3614, 0.1757,
0.1310

■ 10.5364, 0.1654,
0.1088

■ 8.6608, 0.1591,
0.0926

Harmonies

Analogous

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



50.3543, 0.2662, 0.2952



50.3543, 0.2784, 0.2870



50.3543, 0.2999, 0.2895

Triad

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



50.3543, 0.2784, 0.2870



50.3543, 0.3619, 0.3416



50.3543, 0.2985, 0.3591

Complementary

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



50.3543, 0.2784, 0.2870



64.2181, 0.3474, 0.3677

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.



50.3543, 0.3240, 0.3725



50.3543, 0.2784, 0.2870



50.3543, 0.3612, 0.3609

Square

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



50.3543, 0.2784, 0.2870



50.3543, 0.3487, 0.3202



50.3543, 0.3471, 0.3727



50.3543, 0.2775, 0.3368

Rectangle

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



50.3543, 0.2784, 0.2870



50.3543, 0.3171, 0.2966



50.3543, 0.3471, 0.3727



50.3543, 0.3069, 0.3649

Sweetspot

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



50.3563, 0.2784, 0.2870



90.3556, 0.3035, 0.3181



65.9429, 0.2891, 0.3450



19.1232, 0.3025, 0.3168



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.



50.3563, 0.2784, 0.2870



63.8804, 0.2713, 0.2779



46.2675, 0.2852, 0.2717



13.8579, 0.2981, 0.3115



5.3052, 0.1597, 0.0950



0.5157, 0.1681, 0.1253

Inverse Universe

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



49.8178, 0.3437, 0.3140



63.2292, 0.3512, 0.3109



69.3065, 0.3368, 0.3829



13.7626, 0.3249, 0.3225



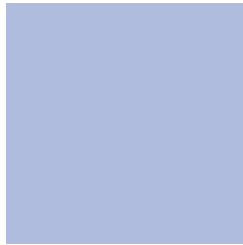
9.4436, 0.5834, 0.2988



0.6695, 0.5392, 0.2744

Previews

White Background



This preview shows how the Yxy color 50.3543, 0.2784, 0.2870 looks on a white background.

Color Contrast Check

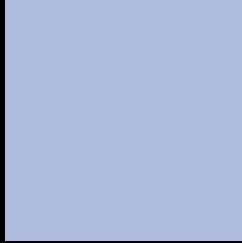
Large Text (above 18pt) WCAG AA × Fail

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 50.3543, 0.2784, 0.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

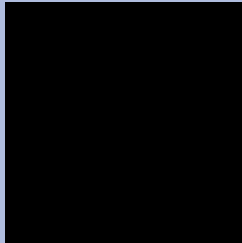
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3543, 0.2784, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 50.3543, 0.2784, 0.2870.



This preview shows how white text looks on a background with the Yxy color 50.3543, 0.2784, 0.2870.

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

50.3543, 0.2784, 0.2870

Protanopia

50.1620, 0.2833, 0.2862

Deuteranopia

50.4275, 0.2879, 0.2822



Tritanopia

50.4885, 0.2871, 0.3098

Trichromacy



Original Color

50.3543, 0.2784, 0.2870

Protanomaly

50.3448, 0.2819, 0.2872

Deuteranomaly

50.2160, 0.2841, 0.2829

Tritanomaly

50.4646, 0.2837, 0.3012

Monochromacy



Original Color

50.3543, 0.2784, 0.2870

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.2038, 0.2997, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3543, 0.2784, 0.2870 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(175, 188, 222)` looks like.

```
.text, #text, p{  
    color:rgb(175, 188, 222)  
}
```

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(175, 188, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 188, 222) }
```

Border

The CSS property to change the border of an element to Yxy 50.3543, 0.2784, 0.2870 is called "border". The border property can be set on classes, ids or directly on the HTML element.

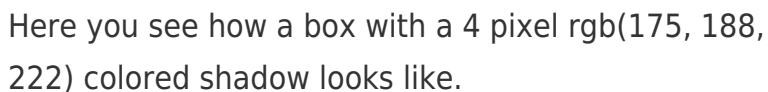
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 188, 222) }
```

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

```
.border{ border-color:rgb(175, 188, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 188, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 188, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 188, 222); box-shadow:4px 4px 4px 4px rgb(175, 188, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3543, 0.2784, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 188, 222) }
```

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

```
.background{ background-color: rgb(175,  
188, 222) }
```

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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