

Converting Colors

Yxy(51.8588, 0.2824, 0.2789)

Have a look what the booklet for
Yxy(51.8588, 0.2824, 0.2789)
contains.

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Color

Yxy(51.7626, 0.2825, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	BBBBE5
RGB	187, 187, 229
RGB Percent	73%, 73%, 90%
CMY	0.2665, 0.2667, 0.1020
CMYK	0.18, 0.18, 0.00, 0.10
HSL	240°, 45%, 82%
HSV	240°, 18%, 90%
XYZ	52.4120, 51.7626, 81.3545
YIQ	191.7880, -13.4820, 13.0620

Conversions

Conversions Part 2

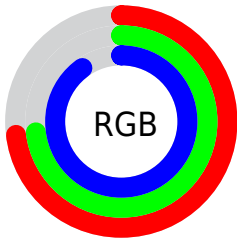
Format	Color
R _Y B	187, 187, 229
Decimal	12303333
CIE Lab	77.14, 8.56, -20.90
CIE LCh	77, 22.583, 292.264
Yxy	51.7626, 0.2825, 0.2790
Android (android.graphics.Color)	4290493413 (0xFFBBBEE5)
YUV	191.7880, 18.3455, -4.1991
Hunter-Lab	71.9462, 4.1292, -16.6809

Details

The Yxy color **51.7626, 0.2825, 0.2790** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.2758, 0.3402, 0.3746**, and the grayscale version is **52.4828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5543, 0.3062, 0.3172**, and **25.0539, 0.2744, 0.2671** is the 20% darker color. If you saturate the color by 10%, you get **40.1512, 0.2632, 0.2470**, and if you desaturate by 10%, it is **65.3872, 0.2999, 0.3077**.

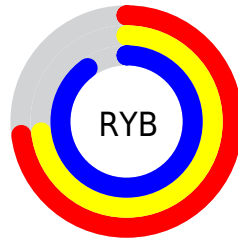
Distribution



Red (73%)

Green (73%)

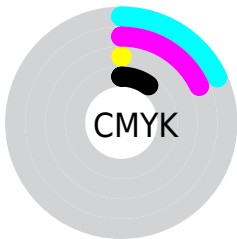
Blue (90%)



Red (73%)

Yellow (73%)

Blue (90%)

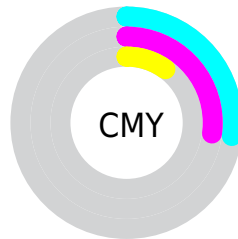


Cyan (18%)

Magenta (18%)

Yellow (0%)

Black (10%)



Cyan (27%)

Magenta (27%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7626, 0.2825, 0.2790 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 51.7626, 0.2825, 0.2790 by changing the saturation by 10% instead.

■ 51.7626, 0.2825,
0.2790

■ 51.7626, 0.2825,
0.2790

■ 393.5194, 0.2974,
0.3029

■ 36.8159, 0.2789,
0.2734

■ 92.7810, 0.2878,
0.2874

■ 25.0650, 0.2743,
0.2663

■ 119.6215, 0.2899,
0.2907

■ 16.1255, 0.2683,
0.2573

■ 151.1954, 0.2916,
0.2934

■ 9.6130, 0.2602,
0.2452

■ 187.8871, 0.2931,
0.2958

■ 5.1431, 0.2486,
0.2285

■ 230.0809, 0.2943,
0.2979

■ 2.3315, 0.2307,
0.2038

■ 278.1613, 0.2955,

■ 0.7903, 0.2006,

0.2998

0.1642

332.5127, 0.2965,
0.3014

0.0000, 0.0000,
0.0000

51.7626, 0.2825,
0.2790

51.7626, 0.2825,
0.2790

40.1512, 0.2632,
0.2470

65.3872, 0.2999,
0.3077

30.4515, 0.2423,
0.2124

81.1072, 0.3151,
0.3329

22.5632, 0.2206,
0.1766

98.4370, 0.3280,
0.3542

16.3738, 0.1995,
0.1418

11.7587, 0.1806,
0.1106

■ 8.5759, 0.1656,
0.0857

■ 6.6585, 0.1556,
0.0692

■ 5.7653, 0.1506,
0.0610

■ 5.6583, 0.1500,
0.0600

Harmonies

Analogous

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



51.7626, 0.2625, 0.2825



51.7626, 0.2825, 0.2790



51.7626, 0.3114, 0.2875

Triad

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



51.7626, 0.2825, 0.2790



51.7626, 0.3735, 0.3550



51.7626, 0.2829, 0.3536

Complementary

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



51.7626, 0.2825, 0.2790



76.2758, 0.3402, 0.3746

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.



51.7626, 0.3117, 0.3759



51.7626, 0.2825, 0.2790



51.7626, 0.3646, 0.3750

Square

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



51.7626, 0.2825, 0.2790



51.7626, 0.3652, 0.3300



51.7626, 0.3417, 0.3835



51.7626, 0.2627, 0.3245

Rectangle

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



51.7626, 0.2825, 0.2790



51.7626, 0.3322, 0.2988



51.7626, 0.3417, 0.3835



51.7626, 0.2919, 0.3622

Sweetspot

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



51.7647, 0.2825, 0.2790



87.8389, 0.3036, 0.3138



72.2582, 0.2852, 0.3289



18.5306, 0.3025, 0.3121



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.



51.7647, 0.2825, 0.2790



60.1563, 0.2754, 0.2672



54.6050, 0.2984, 0.2813



13.8878, 0.2980, 0.3047



3.2355, 0.1500, 0.0600



0.2393, 0.1501, 0.0601

Inverse Universe

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



57.8510, 0.3149, 0.2837



69.2775, 0.3153, 0.2742



73.0340, 0.3250, 0.3768



14.6150, 0.3138, 0.3059



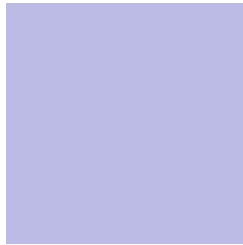
12.7521, 0.3211, 0.1543



0.9424, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 51.7626, 0.2825, 0.2790 looks on a white background.

Color Contrast Check

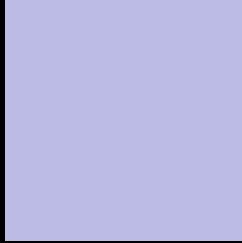
Large Text (above 18pt) WCAG AA × Fail

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 51.7626, 0.2825, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

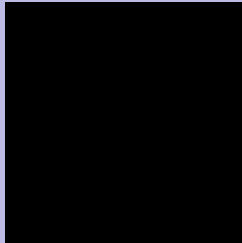
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7626, 0.2825, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 51.7626, 0.2825, 0.2790.



This preview shows how white text looks on a background with the Yxy color 51.7626, 0.2825, 0.2790.

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

51.7626, 0.2825, 0.2790

Protanopia

51.9321, 0.2776, 0.2797

Deuteranopia

51.7221, 0.2846, 0.2781



Tritanopia

51.7851, 0.2954, 0.3103

Trichromacy



Original Color

51.7626, 0.2825, 0.2790

Protanomaly

51.7469, 0.2790, 0.2787

Deuteranomaly

51.5938, 0.2839, 0.2780

Tritanomaly

51.8723, 0.2906, 0.2995

Monochromacy



Original Color

51.7626, 0.2825, 0.2790

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.1818, 0.3016, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7626, 0.2825, 0.2790 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(187, 187, 229)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 229)  
}
```

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(187, 187, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 229) }
```

Border

The CSS property to change the border of an element to Yxy 51.7626, 0.2825, 0.2790 is called "border". The border property can be set on classes, ids or directly on the HTML element.

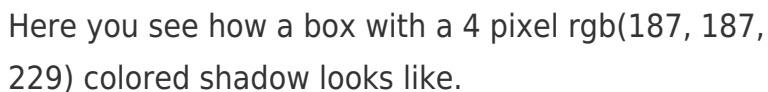
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 187, 229) }
```

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

```
.border{ border-color:rgb(187, 187, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 187, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 187, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 187, 229); box-shadow:4px 4px 4px 4px rgb(187, 187, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7626, 0.2825, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 229) }
```

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

```
.background{ background-color: rgb(187,  
187, 229) }
```

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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