

Converting Colors

$Y_{xy}(52.8490, 0.2750, 0.2825)$

Have a look what the booklet for
Yxy(52.8490, 0.2750, 0.2825)
contains.

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Color

Yxy(52.8159, 0.2744, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	B1C0E7
RGB	177, 192, 231
RGB Percent	69%, 75%, 91%
CMY	0.3061, 0.2470, 0.0941
CMYK	0.23, 0.17, 0.00, 0.09
HSL	223°, 53%, 80%
HSV	223°, 23%, 91%
XYZ	51.3925, 52.8159, 83.0820
YIQ	191.9610, -21.4590, 8.9490

Conversions

Conversions Part 2

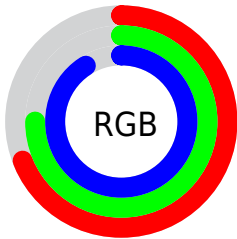
Format	Color
R _Y B	177, 189, 231
Decimal	11649255
CIE Lab	77.77, 3.18, -21.09
CIE LCh	78, 21.331, 278.561
Yxy	52.8159, 0.2744, 0.2820
Android (android.graphics.Color)	4289839335 (0xFFB1C0E7)
YUV	191.9610, 19.2462, -13.1208
Hunter-Lab	72.6745, -0.9525, -16.9085

Details

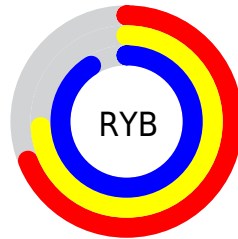
The Yxy color **52.8159, 0.2744, 0.2820** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.2227, 0.3515, 0.3719**, and the grayscale version is **52.5785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6784, 0.2993, 0.3220**, and **25.7713, 0.2643, 0.2709** is the 20% darker color. If you saturate the color by 10%, you get **43.4277, 0.2563, 0.2581**, and if you desaturate by 10%, it is **63.4948, 0.2916, 0.3036**.

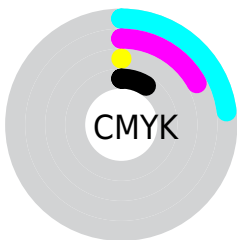
Distribution



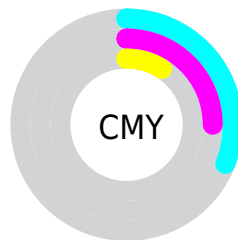
- Red (69%)
- Green (75%)
- Blue (91%)



- Red (69%)
- Yellow (74%)
- Blue (91%)



- Cyan (23%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8159, 0.2744, 0.2820 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 52.8159, 0.2744, 0.2820 by changing the saturation by 10% instead.

■ 52.8159, 0.2744,
0.2820

■ 52.8159, 0.2744,
0.2820

■ 397.5784, 0.2930,
0.3046

■ 37.6558, 0.2699,
0.2766

■ 94.3334, 0.2810,
0.2900

■ 25.7157, 0.2643,
0.2699

■ 121.4596, 0.2836,
0.2931

■ 16.6111, 0.2570,
0.2613

■ 153.3434, 0.2857,
0.2957

■ 9.9576, 0.2473,
0.2497

■ 190.3690, 0.2876,
0.2979

■ 5.3708, 0.2335,
0.2336

■ 232.9209, 0.2892,
0.2999

■ 2.4664, 0.2127,
0.2098

■ 281.3835, 0.2906,

■ 0.8598, 0.1788,

0.3017

0.1716

336.1412, 0.2919,
0.3032

0.0000, 0.0000,
0.0000

52.8159, 0.2744,
0.2820

52.8159, 0.2744,
0.2820

43.4277, 0.2563,
0.2581

63.4948, 0.2916,
0.3036

35.2732, 0.2377,
0.2323

75.5057, 0.3076,
0.3230

28.3006, 0.2192,
0.2051

88.8958, 0.3222,
0.3400

22.4515, 0.2016,
0.1774

98.5492, 0.3268,
0.3522

17.6621, 0.1859,
0.1505

■ 13.8614, 0.1731,
0.1258

■ 10.9675, 0.1636,
0.1045

■ 9.4898, 0.1591,
0.0927

Harmonies

Analogous

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



52.8159, 0.2608, 0.2909



52.8159, 0.2744, 0.2820



52.8159, 0.2985, 0.2850

Triad

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



52.8159, 0.2744, 0.2820



52.8159, 0.3682, 0.3431



52.8159, 0.2965, 0.3629

Complementary

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



52.8159, 0.2744, 0.2820



69.2227, 0.3515, 0.3719

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.



52.8159, 0.3250, 0.3781



52.8159, 0.2744, 0.2820



52.8159, 0.3672, 0.3648

Square

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



52.8159, 0.2744, 0.2820



52.8159, 0.3534, 0.3192



52.8159, 0.3511, 0.3782



52.8159, 0.2731, 0.3374

Rectangle

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



52.8159, 0.2744, 0.2820



52.8159, 0.3177, 0.2929



52.8159, 0.3511, 0.3782



52.8159, 0.3058, 0.3694

Sweetspot

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



52.8180, 0.2744, 0.2820



88.8334, 0.3019, 0.3162



71.4292, 0.2868, 0.3469



18.8164, 0.3009, 0.3151



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.



52.8180, 0.2744, 0.2820



60.3233, 0.2659, 0.2709



47.9611, 0.2817, 0.2647



14.5388, 0.2981, 0.3116



5.5006, 0.1598, 0.0954



0.5595, 0.1677, 0.1238

Inverse Universe

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



52.2130, 0.3478, 0.3121



59.7121, 0.3572, 0.3085



75.4241, 0.3394, 0.3890



14.4338, 0.3249, 0.3225



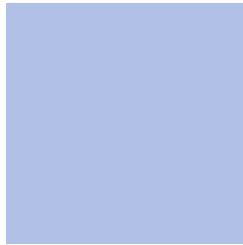
9.7530, 0.5829, 0.2985



0.7362, 0.5412, 0.2755

Previews

White Background



This preview shows how the Yxy color 52.8159, 0.2744, 0.2820 looks on a white background.

Color Contrast Check

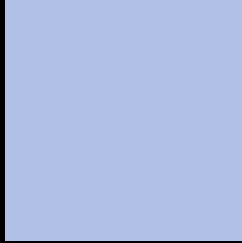
Large Text (above 18pt) WCAG AA × Fail

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 52.8159, 0.2744, 0.2820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

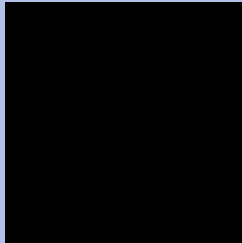
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

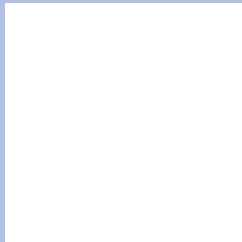
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.8159, 0.2744, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 52.8159, 0.2744, 0.2820.



This preview shows how white text looks on a background with the Yxy color 52.8159, 0.2744, 0.2820.

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

52.8159, 0.2744, 0.2820

Protanopia

52.7304, 0.2799, 0.2813

Deuteranopia

52.8690, 0.2835, 0.2774



Tritanopia

52.6176, 0.2847, 0.3089

Trichromacy



Original Color

52.8159, 0.2744, 0.2820

Protanomaly

52.7985, 0.2778, 0.2822

Deuteranomaly

52.6605, 0.2799, 0.2781

Tritanomaly

52.6442, 0.2808, 0.2992

Monochromacy



Original Color

52.8159, 0.2744, 0.2820

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.7203, 0.2985, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8159, 0.2744, 0.2820 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(177, 192, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 192, 231)  
}
```

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(177, 192, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 192, 231) }
```

Border

The CSS property to change the border of an element to Yxy 52.8159, 0.2744, 0.2820 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(177, 192, 231) }
```

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

```
.border{ border-color:rgb(177, 192, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 192, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 192, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 192, 231);  
box-shadow:4px 4px 4px 4px rgb(177, 192,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8159, 0.2744, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 192, 231) }
```

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

```
.background{ background-color: rgb(177,  
192, 231) }
```

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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