

Converting Colors

$Y_{xy}(53.1775, 0.2785, 0.2861)$

Have a look what the booklet for
Yxy(53.1775, 0.2785, 0.2861)
contains.

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Color

Yxy(53.0040, 0.2784, 0.2856)

Conversions

Conversions Part 1

Format	Color
Hex	B4C0E4
RGB	180, 192, 228
RGB Percent	71%, 75%, 89%
CMY	0.2943, 0.2470, 0.1058
CMYK	0.21, 0.16, 0.00, 0.11
HSL	225°, 47%, 80%
HSV	225°, 21%, 89%
XYZ	51.6678, 53.0040, 80.9165
YIQ	192.5160, -18.7080, 8.6520

Conversions

Conversions Part 2

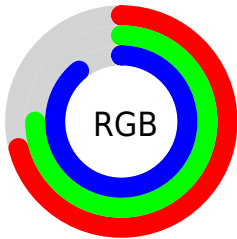
Format	Color
R _Y B	180, 190, 228
Decimal	11845860
CIE Lab	77.88, 3.42, -19.30
CIE LCh	78, 19.601, 280.055
Yxy	53.0040, 0.2784, 0.2856
Android (android.graphics.Color)	4290035940 (0xFFB4C0E4)
YUV	192.5160, 17.4936, -10.9765
Hunter-Lab	72.8038, -0.7280, -14.9341

Details

The Yxy color **53.0040, 0.2784, 0.2856** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.8737, 0.3470, 0.3689**, and the grayscale version is **52.9305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1877, 0.3012, 0.3220**, and **25.9944, 0.2695, 0.2744** is the 20% darker color. If you saturate the color by 10%, you get **43.4220, 0.2603, 0.2613**, and if you desaturate by 10%, it is **63.9105, 0.2954, 0.3075**.

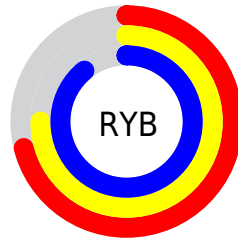
Distribution



Red (71%)

Green (75%)

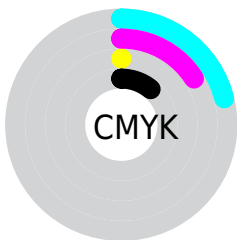
Blue (89%)



Red (71%)

Yellow (75%)

Blue (89%)

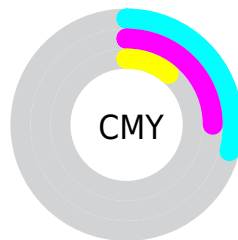


Cyan (21%)

Magenta (16%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (25%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0040, 0.2784, 0.2856 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 53.0040, 0.2784, 0.2856 by changing the saturation by 10% instead.

■ 53.0040, 0.2784,
0.2856

■ 53.0040, 0.2784,
0.2856

■ 398.3005, 0.2951,
0.3065

■ 37.8060, 0.2744,
0.2806

■ 94.6103, 0.2844,
0.2930

■ 25.8321, 0.2693,
0.2744

■ 121.7873, 0.2866,
0.2958

■ 16.6981, 0.2628,
0.2664

■ 153.7260, 0.2886,
0.2982

■ 10.0195, 0.2539,
0.2557

■ 190.8110, 0.2902,
0.3003

■ 5.4119, 0.2413,
0.2406

■ 233.4265, 0.2917,
0.3022

■ 2.4909, 0.2223,
0.2182

■ 281.9570, 0.2929,

■ 0.8721, 0.1907,

0.3038

0.1818

336.7869, 0.2941,
0.3052

0.0000, 0.0000,
0.0000

53.0040, 0.2784,
0.2856

53.0040, 0.2784,
0.2856

43.4220, 0.2603,
0.2613

63.9105, 0.2954,
0.3075

35.1065, 0.2415,
0.2348

76.1837, 0.3111,
0.3270

28.0045, 0.2226,
0.2069

89.8719, 0.3254,
0.3442

22.0565, 0.2044,
0.1784

98.3823, 0.3286,
0.3552

17.1980, 0.1879,
0.1505

■ 13.3570, 0.1741,
0.1248

■ 10.4520, 0.1638,
0.1028

■ 8.5535, 0.1575,
0.0870

Harmonies

Analogous

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



53.0040, 0.2652, 0.2934



53.0040, 0.2784, 0.2856



53.0040, 0.3010, 0.2888

Triad

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



53.0040, 0.2784, 0.2856



53.0040, 0.3638, 0.3432



53.0040, 0.2967, 0.3590

Complementary

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



53.0040, 0.2784, 0.2856



68.8737, 0.3470, 0.3689

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.



53.0040, 0.3228, 0.3735



53.0040, 0.2784, 0.2856



53.0040, 0.3622, 0.3628

Square

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



53.0040, 0.2784, 0.2856



53.0040, 0.3510, 0.3211



53.0040, 0.3470, 0.3745



53.0040, 0.2754, 0.3355

Rectangle

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



53.0040, 0.2784, 0.2856



53.0040, 0.3187, 0.2964



53.0040, 0.3470, 0.3745



53.0040, 0.3051, 0.3651

Sweetspot

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



53.0062, 0.2784, 0.2856



90.1187, 0.3035, 0.3177



70.1086, 0.2887, 0.3440



19.0674, 0.3025, 0.3164



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.



53.0062, 0.2784, 0.2856



63.0790, 0.2711, 0.2760



49.3215, 0.2859, 0.2720



14.4722, 0.2980, 0.3109



5.0975, 0.1582, 0.0894



0.5219, 0.1659, 0.1172

Inverse Universe

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



52.9246, 0.3446, 0.3154



63.1483, 0.3526, 0.3126



73.5092, 0.3362, 0.3829



14.4271, 0.3253, 0.3231



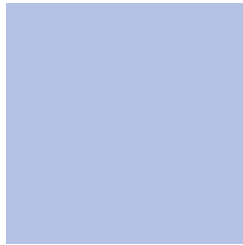
9.7123, 0.5921, 0.3035



0.7324, 0.5507, 0.2807

Previews

White Background



This preview shows how the Yxy color 53.0040, 0.2784, 0.2856 looks on a white background.

Color Contrast Check

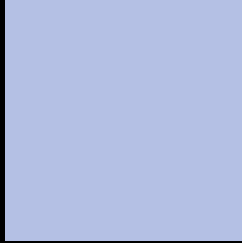
Large Text (above 18pt) WCAG AA × Fail

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 53.0040, 0.2784, 0.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

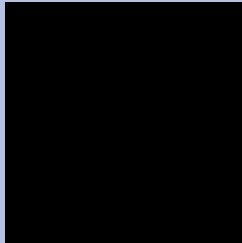
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

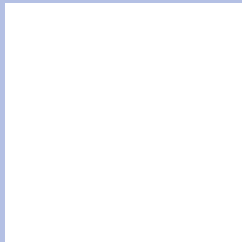
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0040, 0.2784, 0.2856

Background



This preview shows how black text looks on a background with the Yxy color 53.0040, 0.2784, 0.2856.

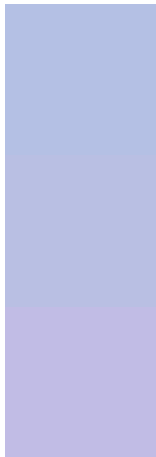


This preview shows how white text looks on a background with the Yxy color 53.0040, 0.2784, 0.2856.

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

53.0040, 0.2784, 0.2856

Protanopia

53.1219, 0.2826, 0.2859

Deuteranopia

52.9610, 0.2870, 0.2808



Tritanopia

53.0805, 0.2876, 0.3090

Trichromacy



Original Color

53.0040, 0.2784, 0.2856

Protanomaly

52.8749, 0.2812, 0.2858

Deuteranomaly

52.7437, 0.2833, 0.2815

Tritanomaly

53.0583, 0.2843, 0.3007

Monochromacy



Original Color

53.0040, 0.2784, 0.2856

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.2875, 0.2993, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0040, 0.2784, 0.2856 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(180, 192, 228)` looks like.

```
.text, #text, p{  
    color:rgb(180, 192, 228)  
}
```

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(180, 192, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 192, 228) }
```

Border

The CSS property to change the border of an element to Yxy 53.0040, 0.2784, 0.2856 is called "border". The border property can be set on classes, ids or directly on the HTML element.

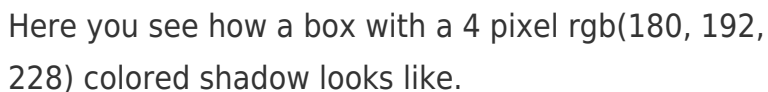
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 192, 228) }
```

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

```
.border{ border-color:rgb(180, 192, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 192, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 192, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 192, 228); box-shadow:4px 4px 4px 4px rgb(180, 192, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0040, 0.2784, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 192, 228) }
```

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

```
.background{ background-color: rgb(180,  
192, 228) }
```

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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