

Converting Colors

$Y_{xy}(18.2458, 0.2855, 0.3789)$

Have a look what the booklet for
Yxy(18.2458, 0.2855, 0.3789)
contains.

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Color

Yxy(18.2521, 0.2855, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	528069
RGB	82, 128, 105
RGB Percent	32%, 50%, 41%
CMY	0.6783, 0.4980, 0.5883
CMYK	0.36, 0.00, 0.18, 0.50
HSL	150°, 22%, 41%
HSV	150°, 36%, 50%
XYZ	13.7493, 18.2521, 16.1572
YIQ	111.6240, -20.0330, -16.9050

Conversions

Conversions Part 2

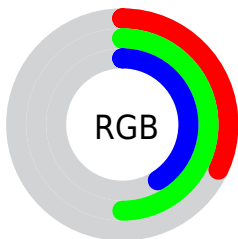
Format	Color
R_{YB}	82, 113, 128
Decimal	5406825
CIE Lab	49.80, -21.15, 7.56
CIE LCh	50, 22.462, 160.320
Yxy	18.2521, 0.2855, 0.3790
Android (android.graphics.Color)	4283596905 (0xFF528069)
YUV	111.6240, -3.2656, -25.9802
Hunter-Lab	42.7225, -17.3181, 7.4829

Details

The Yxy color **18.2521, 0.2855, 0.3790** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.6483, 0.3531, 0.2842**, and the grayscale version is **16.1029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4346, 0.2922, 0.3669**, and **6.0943, 0.2728, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **17.6045, 0.2793, 0.3959**, and if you desaturate by 10%, it is **19.0182, 0.2925, 0.3633**.

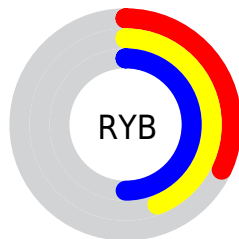
Distribution



Red (32%)

Green (50%)

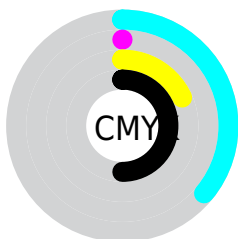
Blue (41%)



Red (32%)

Yellow (44%)

Blue (50%)

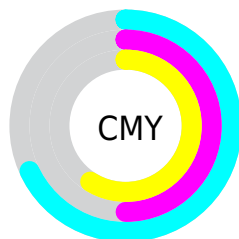


Cyan (36%)

Magenta (0%)

Yellow (18%)

Black (50%)



Cyan (68%)


Magenta (50%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2521, 0.2855, 0.3790 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 18.2521, 0.2855, 0.3790 by changing the saturation by 10% instead.


 18.2521, 0.2855,
0.3790


 18.2521, 0.2855,
0.3790


242.2882, 0.3016,
0.3493


 11.1311, 0.2803,
0.3887


 40.4664, 0.2921,
0.3667


 6.1551, 0.2726,
0.4030

 56.3286, 0.2944,
0.3626

 2.9396, 0.2603,
0.4262

 75.8733, 0.2962,
0.3593

 1.1003, 0.2271,
0.4852

 99.4848, 0.2976,
0.3566

 0.0000, 0.0000,
0.0000

 127.5477, 0.2989,
0.3543

160.4463, 0.2999,

0.3524

198.5650, 0.3008,
0.3507

■ 18.2521, 0.2855,
0.3790

■ 18.2521, 0.2855,
0.3790

■ 17.6045, 0.2793,
0.3959

■ 19.0182, 0.2925,
0.3633

■ 17.0670, 0.2743,
0.4138

■ 19.9063, 0.3001,
0.3490

■ 16.6335, 0.2707,
0.4325


■ 20.9224, 0.3080,
0.3360

■ 16.2965, 0.2688,
0.4515


■ 22.0716, 0.3160,
0.3244

■ 16.0474, 0.2687,
0.4703

■ 23.3585, 0.3240,
0.3141

 15.8717, 0.2703,
0.4885

 24.7878, 0.3318,
0.3050

 15.8075, 0.2711,
0.4958

 26.3636, 0.3395,
0.2969

 28.0901, 0.3468,
0.2898

 29.9713, 0.3538,
0.2837

Harmonies

Analogous

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



18.2521, 0.3275, 0.4035



18.2521, 0.2855, 0.3790



18.2521, 0.2523, 0.3385

Triad

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



18.2521, 0.2855, 0.3790



18.2521, 0.2576, 0.2598



18.2521, 0.3969, 0.3503

Complementary

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



18.2521, 0.2855, 0.3790



11.6483, 0.3531, 0.2842

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.



18.2521, 0.3758, 0.3157



18.2521, 0.2855, 0.3790



18.2521, 0.2933, 0.2657

Square

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



18.2521, 0.2855, 0.3790



18.2521, 0.2372, 0.2706



18.2521, 0.3369, 0.2856



18.2521, 0.3933, 0.3824

Rectangle

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



18.2521, 0.2855, 0.3790



18.2521, 0.2389, 0.3108



18.2521, 0.3369, 0.2856



18.2521, 0.3925, 0.3386

Sweetspot

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



18.2529, 0.2855, 0.3790



35.8540, 0.3037, 0.3428



19.0986, 0.3359, 0.4232



8.3484, 0.3029, 0.3442



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.2529, 0.2855, 0.3790



31.2000, 0.2804, 0.3926



18.7718, 0.2649, 0.3304



4.8518, 0.3054, 0.3400



15.6745, 0.2710, 0.4957



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.6483, 0.3531, 0.2842



17.7867, 0.3661, 0.2740



11.2488, 0.3925, 0.3277



4.3774, 0.3207, 0.3183



4.9189, 0.4891, 0.2468



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.2521, 0.2855, 0.3790 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 18.2521, 0.2855, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

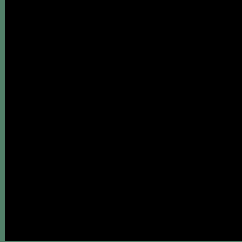
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2521, 0.2855, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 18.2521, 0.2855, 0.3790.



This preview shows how white text looks on a background with the Yxy color 18.2521, 0.2855, 0.3790.

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

18.2521, 0.2855, 0.3790

Protanopia

18.1621, 0.3424, 0.3639

Deuteranopia

18.1039, 0.3457, 0.3402



Tritanopia

18.2112, 0.2633, 0.3087

Trichromacy



Original Color

18.2521, 0.2855, 0.3790

Protanomaly

18.1296, 0.3194, 0.3697

Deuteranomaly

17.8326, 0.3205, 0.3530

Tritanomaly

18.0757, 0.2717, 0.3331

Monochromacy



Original Color

18.2521, 0.2855, 0.3790

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8277, 0.3019, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2521, 0.2855, 0.3790 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(82, 128, 105)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 105)  
}
```

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(82, 128, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 105) }
```

Border

The CSS property to change the border of an element to Yxy 18.2521, 0.2855, 0.3790 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(82, 128, 105) }
```

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

```
.border{ border-color:rgb(82, 128, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 105);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2521, 0.2855, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 105) }
```

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

```
.background{ background-color: rgb(82, 128,  
105) }
```

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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