

Converting Colors

$Y_{xy}(18.6146, 0.2583, 0.3986)$

Have a look what the booklet for
Yxy(18.6146, 0.2583, 0.3986)
contains.

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Color

$Y_{xy}(18.5851, 0.2583, 0.3980)$

Conversions

Conversions Part 1	
Format	Color
Hex	2C8668
RGB	44, 134, 104
RGB Percent	17%, 53%, 41%
CMY	0.8276, 0.4745, 0.5921
CMYK	0.67, 0.00, 0.22, 0.47
HSL	160°, 51%, 35%
HSV	160°, 67%, 53%
XYZ	12.0616, 18.5851, 16.0495
YIQ	103.6700, -44.0100, -28.4100

Conversions

Conversions Part 2

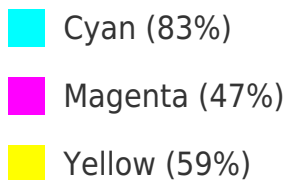
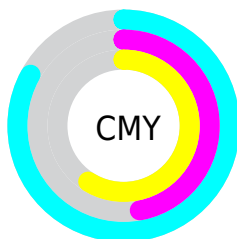
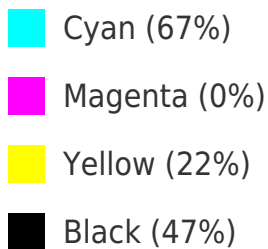
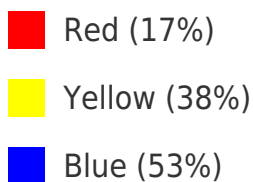
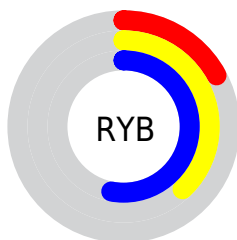
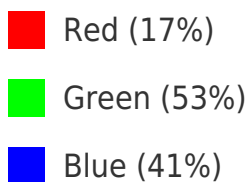
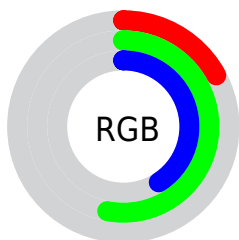
Format	Color
RYB	44, 98, 134
Decimal	2917992
CIELab	50.20, -34.08, 8.49
CIELCh	50, 35.116, 166.015
Yxy	18.5851, 0.2583, 0.3980
Android (android.graphics.Color)	4281108072 (0xFF2C8668)
YUV	103.6700, 0.1627, -52.3306
Hunter-Lab	43.1104, -25.5017, 8.1044

Details

The Yxy color **18.5851, 0.2583, 0.3980** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.3619, 0.4500, 0.2768**, and the grayscale version is **13.7573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0997, 0.2716, 0.3814**, and **6.4819, 0.2515, 0.4255** is the 20% darker color. If you saturate the color by 10%, you get **18.2473, 0.2554, 0.4104**, and if you desaturate by 10%, it is **19.0250, 0.2630, 0.3859**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5851, 0.2583, 0.3980 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 18.5851, 0.2583, 0.3980 by changing the saturation by 10% instead.


 18.5851, 0.2583,
0.3980


 18.5851, 0.2583,
0.3980


244.1486, 0.2902,
0.3568


 11.3709, 0.2482,
0.4115


 41.0318, 0.2713,
0.3810


 6.3169, 0.2335,
0.4314


 57.0331, 0.2758,
0.3752


 3.0387, 0.2105,
0.4638


 76.7322, 0.2793,
0.3707

 1.1520, 0.1189,
0.5677

 100.5135, 0.2823,
0.3669

 0.0219, 0.0000,
1.0000


 128.7614, 0.2847,
0.3638


 0.0000, 0.0000,
0.0000


 161.8603, 0.2868,


0.3611


200.1946, 0.2887,
0.3588


 18.5851, 0.2583,
0.3980


 18.5851, 0.2583,
0.3980


 18.2473, 0.2554,
0.4104

 19.0250, 0.2630,
0.3859


 17.9998, 0.2543,
0.4228


 19.5732, 0.2693,
0.3743

 17.8244, 0.2549,
0.4351

 20.2380, 0.2770,
0.3632

 17.7787, 0.2552,
0.4386

 21.0262, 0.2857,
0.3529

 21.9441, 0.2952,
0.3434

■ 22.9975, 0.3053,
0.3347

■ 24.1920, 0.3157,
0.3269

■ 25.5328, 0.3261,
0.3198

■ 27.0247, 0.3366,
0.3136

Harmonies

Analogous

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



18.5851, 0.3200, 0.4446



18.5851, 0.2583, 0.3980



18.5851, 0.2142, 0.3288

Triad

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



18.5851, 0.2583, 0.3980



18.5851, 0.2377, 0.2263



18.5851, 0.4453, 0.3664

Complementary

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



18.5851, 0.2583, 0.3980



7.3619, 0.4500, 0.2768

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.



18.5851, 0.4202, 0.3161



18.5851, 0.2583, 0.3980



18.5851, 0.2938, 0.2397

Square

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



18.5851, 0.2583, 0.3980



18.5851, 0.2042, 0.2352



18.5851, 0.3620, 0.2715



18.5851, 0.4300, 0.4143

Rectangle

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



18.5851, 0.2583, 0.3980



18.5851, 0.1990, 0.2868



18.5851, 0.3620, 0.2715



18.5851, 0.4415, 0.3494

Sweetspot

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



18.5858, 0.2583, 0.3980



38.1088, 0.2921, 0.3464



18.6882, 0.3292, 0.5212



8.4982, 0.2898, 0.3487



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.5858, 0.2583, 0.3980



31.8852, 0.2546, 0.4173



15.4495, 0.2283, 0.2954



5.2532, 0.3033, 0.3363



16.6621, 0.2551, 0.4382



0.0591, 0.2397, 0.3828

Inverse Universe

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



7.3619, 0.4500, 0.2768



10.5900, 0.5019, 0.2754



8.3758, 0.5021, 0.3550



4.7124, 0.3231, 0.3218



4.9266, 0.5568, 0.2841



0.0183, 0.4521, 0.2264

Previews

White Background



This preview shows how the Yxy color 18.5851, 0.2583, 0.3980 looks on a white background.

Color Contrast Check

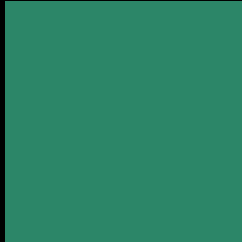
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5851, 0.2583, 0.3980 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 18.5851, 0.2583, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 18.5851, 0.2583, 0.3980.



This preview shows how white text looks on a background with the Yxy color 18.5851, 0.2583, 0.3980.

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

18.5851, 0.2583, 0.3980

Protanopia

18.2370, 0.3501, 0.3713

Deuteranopia

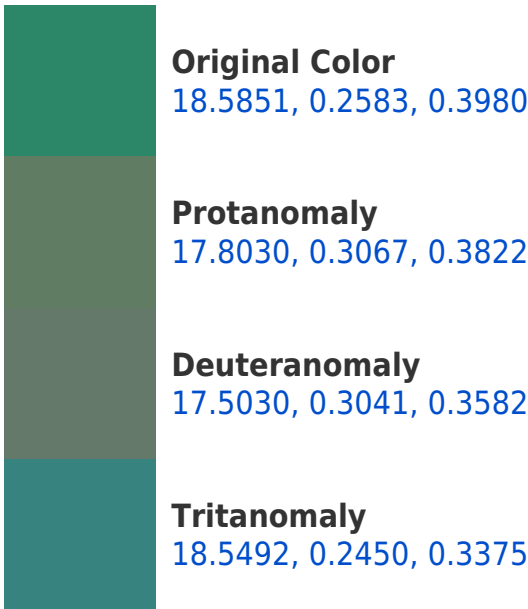
18.1857, 0.3471, 0.3402



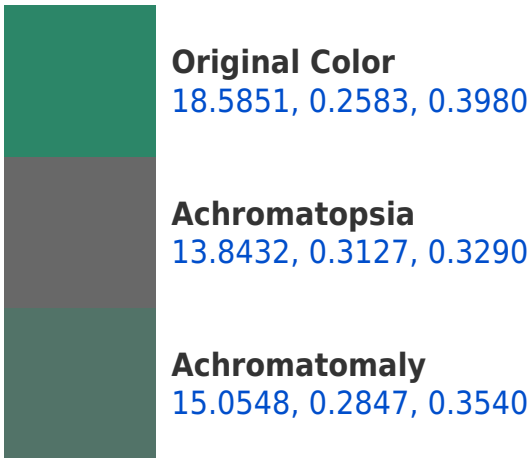
Tritanopia

18.5238, 0.2377, 0.3060

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5851, 0.2583, 0.3980 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(44, 134, 104) looks like.

```
.text, #text, p{  
    color:rgb(44, 134, 104)  
}
```

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(44, 134, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 134, 104) }
```

Border

The CSS property to change the border of an element to Yxy 18.5851, 0.2583, 0.3980 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(44, 134, 104) }
```

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

```
.border{ border-color:rgb(44, 134, 104) }
```

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

Here you see how a box with a 4 pixel rgb(44, 134, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 134, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 134, 104);  
box-shadow:4px 4px 4px 4px rgb(44, 134,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5851, 0.2583, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 134, 104) }
```

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

```
.background{ background-color: rgb(44, 134,  
104) }
```

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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