

Converting Colors

$Y_{xy}(23.3868, 0.2805, 0.4778)$

Have a look what the booklet for
Yxy(23.3868, 0.2805, 0.4778)
contains.

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Color

$Y_{xy}(23.3003, 0.2806, 0.4781)$

Conversions

Conversions Part 1

Format	Color
Hex	2D9752
RGB	45, 151, 82
RGB Percent	18%, 59%, 32%
CMY	0.8231, 0.4079, 0.6784
CMYK	0.70, 0.00, 0.46, 0.41
HSL	141°, 54%, 38%
HSV	141°, 70%, 59%
XYZ	13.6751, 23.3003, 11.7598
YIQ	111.4400, -41.0270, -43.9310

Conversions

Conversions Part 2

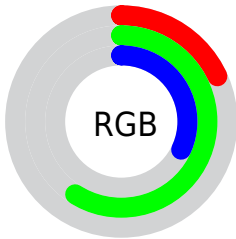
Format	Color
R_{YB}	45, 124, 151
Decimal	2987858
CIE _{Lab}	55.38, -45.67, 27.82
CIE _{LCh}	55, 53.482, 148.651
Y _{xy}	23.3003, 0.2806, 0.4781
Android (android.graphics.Color)	4281177938 (0xFF2D9752)
YUV	111.4400, -14.5139, -58.2679
Hunter-Lab	48.2704, -33.9038, 19.3448

Details

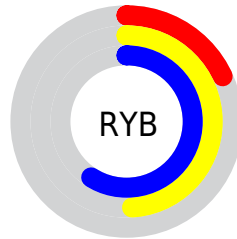
The Yxy color **23.3003, 0.2806, 0.4781** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.6803, 0.3862, 0.2233**, and the grayscale version is **16.0915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8118, 0.2903, 0.4420**, and **9.0450, 0.2820, 0.5354** is the 20% darker color. If you saturate the color by 10%, you get **22.8779, 0.2805, 0.5022**, and if you desaturate by 10%, it is **23.8687, 0.2824, 0.4534**.

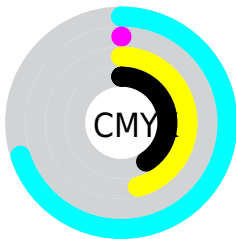
Distribution



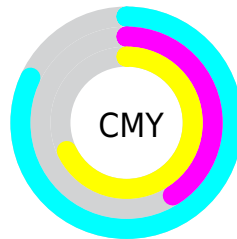
- Red (18%)
- Green (59%)
- Blue (32%)



- Red (18%)
- Yellow (49%)
- Blue (59%)



- Cyan (70%)
- Magenta (0%)
- Yellow (46%)
- Black (41%)




- Cyan (82%)
- Magenta (41%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3003, 0.2806, 0.4781 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 23.3003, 0.2806, 0.4781 by changing the saturation by 10% instead.


 23.3003, 0.2806,
0.4781


 23.3003, 0.2806,
0.4781


269.2637, 0.3018,
0.3893


 14.8154, 0.2727,
0.5065


 48.8860, 0.2900,
0.4416


 8.6899, 0.2602,
0.5474


 66.7555, 0.2930,
0.4292

 4.5395, 0.2388,
0.6103

 88.5220, 0.2953,
0.4193

 1.9797, 0.2027,
0.7973

 114.5700, 0.2971,
0.4111

 0.5956, 0.0000,
1.0000

 145.2837, 0.2986,
0.4043

 0.0000, 0.0000,
0.0000

 181.0477, 0.2998,

0.3985

222.2462, 0.3009,
0.3936

■ 23.3003, 0.2806,
0.4781

■ 23.3003, 0.2806,
0.4781

■ 22.8779, 0.2805,
0.5022

■ 23.8687, 0.2824,
0.4534

■ 22.5840, 0.2820,
0.5246

■ 24.5927, 0.2856,
0.4289

■ 22.3854, 0.2846,
0.5445

■ 25.4847, 0.2899,
0.4055

■ 26.5546, 0.2950,
0.3836

■ 27.8117, 0.3007,
0.3635

■ 29.2648, 0.3066,
0.3454

■ 30.9218, 0.3126,
0.3292

■ 32.7905, 0.3186,
0.3149

■ 34.8780, 0.3244,
0.3023

Harmonies

Analogous

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



23.3003, 0.3679, 0.5025



23.3003, 0.2806, 0.4781



23.3003, 0.2068, 0.3858

Triad

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



23.3003, 0.2806, 0.4781



23.3003, 0.1822, 0.1941



23.3003, 0.4858, 0.3339

Complementary

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



23.3003, 0.2806, 0.4781



9.6803, 0.3862, 0.2233

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.



23.3003, 0.4200, 0.2732



23.3003, 0.2806, 0.4781



23.3003, 0.2380, 0.1969

Square

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



23.3003, 0.2806, 0.4781



23.3003, 0.1582, 0.2211



23.3003, 0.3238, 0.2249



23.3003, 0.4923, 0.3995

Rectangle

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



23.3003, 0.2806, 0.4781



23.3003, 0.1751, 0.3162



23.3003, 0.3238, 0.2249



23.3003, 0.4698, 0.3128

Sweetspot

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



23.3013, 0.2806, 0.4781



49.5009, 0.2999, 0.3660



26.0143, 0.3650, 0.5076



11.1169, 0.2985, 0.3709



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.3013, 0.2806, 0.4781



40.6552, 0.2811, 0.5149



24.3950, 0.2451, 0.3643



6.9594, 0.3071, 0.3438



19.0500, 0.2843, 0.5434



0.2912, 0.2615, 0.4612

Inverse Universe

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



9.6803, 0.3862, 0.2233



14.6449, 0.4096, 0.2142



8.8194, 0.5030, 0.3040



6.2870, 0.3187, 0.3146



6.3590, 0.4303, 0.2144



0.1019, 0.3731, 0.1829

Previews

White Background



This preview shows how the Yxy color 23.3003, 0.2806, 0.4781 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 23.3003, 0.2806, 0.4781 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 23.3003, 0.2806, 0.4781

Background



This preview shows how black text looks on a background with the Yxy color 23.3003, 0.2806, 0.4781.



This preview shows how white text looks on a background with the Yxy color 23.3003, 0.2806, 0.4781.

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

23.3003, 0.2806, 0.4781

Protanopia

23.0303, 0.3910, 0.4248

Deuteranopia

22.8954, 0.3977, 0.3904



Tritanopia

23.2801, 0.2406, 0.3081

Trichromacy



Original Color

23.3003, 0.2806, 0.4781

Protanomaly

22.2665, 0.3397, 0.4472

Deuteranomaly

21.7817, 0.3430, 0.4226

Tritanomaly

23.1084, 0.2546, 0.3654

Monochromacy



Original Color

23.3003, 0.2806, 0.4781

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.8680, 0.2954, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3003, 0.2806, 0.4781 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(45, 151, 82)` looks like.

```
.text, #text, p{  
  color:rgb(45, 151, 82)  
}
```

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(45, 151, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 151, 82) }
```

Border

The CSS property to change the border of an element to Yxy 23.3003, 0.2806, 0.4781 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(45, 151, 82) }
```

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

```
.border{ border-color:rgb(45, 151, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 151, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 151, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 151, 82);  
box-shadow:4px 4px 4px 4px rgb(45, 151,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3003, 0.2806, 0.4781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 151, 82) }
```

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

```
.background{ background-color: rgb(45, 151,  
82) }
```

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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