

Converting Colors

$Yxy(28.6697, 0.2677, 0.3818)$

Have a look what the booklet for
Yxy(28.6697, 0.2677, 0.3818)
contains.

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Color

Yxy(28.5130, 0.2678, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	50A084
RGB	80, 160, 132
RGB Percent	31%, 63%, 52%
CMY	0.6865, 0.3725, 0.4823
CMYK	0.50, 0.00, 0.17, 0.37
HSL	159°, 33%, 47%
HSV	159°, 50%, 63%
XYZ	20.0414, 28.5130, 26.2828
YIQ	132.8880, -38.6920, -25.6680

Conversions

Conversions Part 2

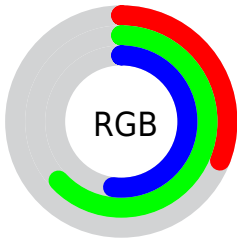
Format	Color
R _Y B	80, 128, 160
Decimal	5283972
CIE Lab	60.35, -31.49, 7.11
CIE LCh	60, 32.284, 167.280
Yxy	28.5130, 0.2678, 0.3810
Android (android.graphics.Color)	4283474052 (0xFF50A084)
YUV	132.8880, -0.4378, -46.3828
Hunter-Lab	53.3976, -26.4503, 8.1951

Details

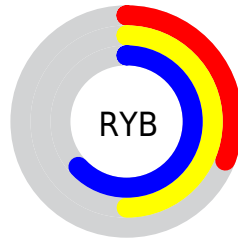
The Yxy color **28.5130, 0.2678, 0.3810** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.2856, 0.3996, 0.2844**, and the grayscale version is **23.4211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1720, 0.2772, 0.3695**, and **11.4984, 0.2510, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **27.7500, 0.2621, 0.3937**, and if you desaturate by 10%, it is **29.4523, 0.2750, 0.3689**.

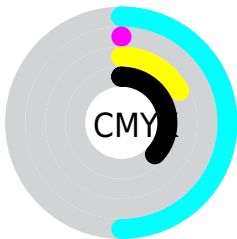
Distribution



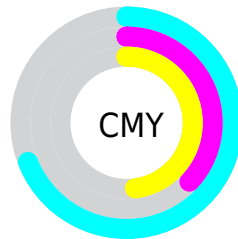
- Red (31%)
- Green (63%)
- Blue (52%)



- Red (31%)
- Yellow (50%)
- Blue (63%)



- Cyan (50%)
- Magenta (0%)
- Yellow (17%)
- Black (37%)





- Cyan (69%)
- Magenta (37%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5130, 0.2678, 0.3810 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 28.5130, 0.2678, 0.3810 by changing the saturation by 10% instead.


 28.5130, 0.2678,
0.3810


 28.5130, 0.2678,
0.3810


294.9102, 0.2924,
0.3520

 18.7127, 0.2608,
0.3894


 57.3024, 0.2773,
0.3697

 11.4629, 0.2513,
0.4010


 77.0604, 0.2807,
0.3657


 6.3791, 0.2376,
0.4182


 100.9063, 0.2835,
0.3624

 3.0769, 0.2161,
0.4457

 129.2247, 0.2859,
0.3596

 1.1720, 0.1428,
0.5226

 162.3999, 0.2879,
0.3573

 0.0387, 0.0000,
1.0000

200.8163, 0.2896,

 0.0000, 0.0000,

0.3553

0.0000

244.8582, 0.2911,
0.3536

■ 28.5130, 0.2678,
0.3810

■ 28.5130, 0.2678,
0.3810

■ 27.7500, 0.2621,
0.3937

■ 29.4523, 0.2750,
0.3689

■ 27.1479, 0.2581,
0.4067

■ 30.5754, 0.2833,
0.3576

■ 26.6939, 0.2561,
0.4200

■ 31.8934, 0.2926,
0.3472

■ 26.3721, 0.2560,
0.4332

■ 33.4157, 0.3024,
0.3377

■ 26.1453, 0.2573,
0.4463

■ 35.1509, 0.3127,
0.3290

■ 37.1071, 0.3231,
0.3213

■ 39.2920, 0.3334,
0.3144

■ 41.7131, 0.3436,
0.3084

■ 44.3773, 0.3536,
0.3030

Harmonies

Analogous

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



28.5130, 0.3177, 0.4184



28.5130, 0.2678, 0.3810



28.5130, 0.2318, 0.3276

Triad

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



28.5130, 0.2678, 0.3810



28.5130, 0.2537, 0.2449



28.5130, 0.4189, 0.3632

Complementary

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



28.5130, 0.2678, 0.3810



14.2856, 0.3996, 0.2844

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.



28.5130, 0.3996, 0.3214



28.5130, 0.2678, 0.3810



28.5130, 0.3004, 0.2565

Square

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



28.5130, 0.2678, 0.3810



28.5130, 0.2247, 0.2524



28.5130, 0.3547, 0.2837



28.5130, 0.4065, 0.4012

Rectangle

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



28.5130, 0.2678, 0.3810



28.5130, 0.2194, 0.2946



28.5130, 0.3547, 0.2837



28.5130, 0.4160, 0.3493

Sweetspot

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



28.5141, 0.2678, 0.3810



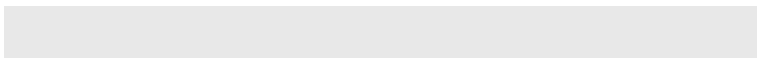
59.1671, 0.2972, 0.3426



28.9091, 0.3300, 0.4723



12.8587, 0.2953, 0.3445



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.5141, 0.2678, 0.3810



50.2435, 0.2616, 0.3951



25.4212, 0.2446, 0.3072



7.4701, 0.3033, 0.3369



20.3730, 0.2570, 0.4451



0.3720, 0.2424, 0.3928

Inverse Universe

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



14.2856, 0.3996, 0.2844



21.4003, 0.4309, 0.2767



15.6998, 0.4389, 0.3486



6.6825, 0.3232, 0.3212



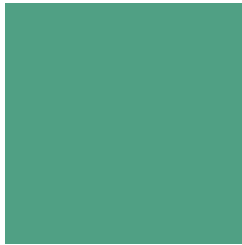
6.0515, 0.5527, 0.2818



0.1158, 0.4527, 0.2267

Previews

White Background



This preview shows how the Yxy color 28.5130, 0.2678, 0.3810 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 28.5130, 0.2678, 0.3810 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 28.5130, 0.2678, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 28.5130, 0.2678, 0.3810.



This preview shows how white text looks on a background with the Yxy color 28.5130, 0.2678, 0.3810.

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

28.5130, 0.2678, 0.3810

Protanopia

28.0772, 0.3417, 0.3612

Deuteranopia

28.2151, 0.3413, 0.3352



Tritanopia

28.4435, 0.2480, 0.3066

Trichromacy



Original Color

28.5130, 0.2678, 0.3810

Protanomaly

27.7806, 0.3098, 0.3688

Deuteranomaly

27.5222, 0.3087, 0.3493

Tritanomaly

28.4589, 0.2547, 0.3324

Monochromacy



Original Color

28.5130, 0.2678, 0.3810

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.9158, 0.2924, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5130, 0.2678, 0.3810 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(80, 160, 132)` looks like.

```
.text, #text, p{  
    color:rgb(80, 160, 132)  
}
```

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(80, 160, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 160, 132) }
```

Border

The CSS property to change the border of an element to Yxy 28.5130, 0.2678, 0.3810 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(80, 160, 132) }
```

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

```
.border{ border-color:rgb(80, 160, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 160, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 160, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 160, 132);  
box-shadow:4px 4px 4px 4px rgb(80, 160,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5130, 0.2678, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 160, 132) }
```

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

```
.background{ background-color: rgb(80, 160,  
132) }
```

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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