

Converting Colors

$Y_{xy}(18.4481, 0.2979, 0.4298)$

Have a look what the booklet for
Yxy(18.4481, 0.2979, 0.4298)
contains.

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Color

Yxy(18.4410, 0.2978, 0.4298)

Conversions

Conversions Part 1

Format	Color
Hex	4C8356
RGB	76, 131, 86
RGB Percent	30%, 51%, 34%
CMY	0.7019, 0.4863, 0.6628
CMYK	0.42, 0.00, 0.34, 0.49
HSL	131°, 27%, 41%
HSV	131°, 42%, 51%
XYZ	12.7774, 18.4410, 11.6876
YIQ	109.4250, -18.3350, -25.6550

Conversions

Conversions Part 2

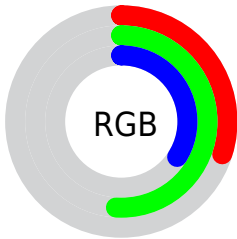
Format	Color
RYB	76, 123, 131
Decimal	5014358
CIELab	50.03, -28.46, 18.79
CIElCh	50, 34.104, 146.569
Yxy	18.4410, 0.2978, 0.4298
Android (android.graphics.Color)	4283204438 (0xFF4C8356)
YUV	109.4250, -11.5485, -29.3137
Hunter-Lab	42.9430, -22.0387, 13.9234

Details

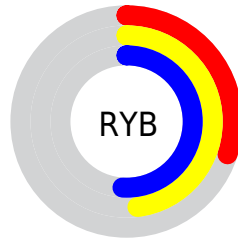
The Yxy color **18.4410, 0.2978, 0.4298** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.3786, 0.3329, 0.2460**, and the grayscale version is **15.4589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6477, 0.3028, 0.4038**, and **6.2447, 0.2869, 0.4808** is the 20% darker color. If you saturate the color by 10%, you get **17.7985, 0.2950, 0.4590**, and if you desaturate by 10%, it is **19.2203, 0.3011, 0.4021**.

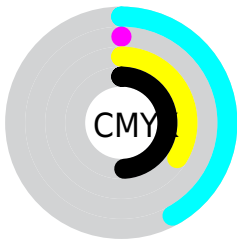
Distribution



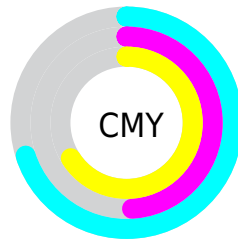
- Red (30%)
- Green (51%)
- Blue (34%)



- Red (30%)
- Yellow (48%)
- Blue (51%)



- Cyan (42%)
- Magenta (0%)
- Yellow (34%)
- Black (49%)




- Cyan (70%)
- Magenta (49%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4410, 0.2978, 0.4298 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 18.4410, 0.2978, 0.4298 by changing the saturation by 10% instead.


 18.4410, 0.2978,
0.4298


 18.4410, 0.2978,
0.4298


243.3451, 0.3079,
0.3689


 11.2671, 0.2937,
0.4501


 40.7874, 0.3024,
0.4043


 6.2468, 0.2870,
0.4805


 56.7286, 0.3038,
0.3959

 2.9957, 0.2744,
0.5299

 76.3610, 0.3049,
0.3891

 1.1295, 0.2418,
0.7582

 100.0690, 0.3058,
0.3836

 0.0030, 0.0000,
1.0000

 128.2371, 0.3065,
0.3790

 0.0000, 0.0000,
0.0000

161.2495, 0.3071,

0.3751

199.4907, 0.3075,
0.3717

■ 18.4410, 0.2978,
0.4298

■ 18.4410, 0.2978,
0.4298

■ 17.7985, 0.2950,
0.4590

■ 19.2203, 0.3011,
0.4021

■ 17.2826, 0.2930,
0.4887

■ 20.1412, 0.3046,
0.3765

■ 16.8854, 0.2920,
0.5173


■ 21.2113, 0.3083,
0.3533


■ 16.5973, 0.2921,
0.5433


■ 22.4367, 0.3120,
0.3328

■ 16.4068, 0.2933,
0.5651

■ 23.8234, 0.3156,
0.3146

 16.2975, 0.2942,
0.5792

 25.3769, 0.3190,
0.2988

 27.1026, 0.3222,
0.2850

 29.0055, 0.3252,
0.2730

 31.0905, 0.3280,
0.2625

Harmonies

Analogous

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



18.4410, 0.3608, 0.4479



18.4410, 0.2978, 0.4298



18.4410, 0.2420, 0.3732

Triad

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



18.4410, 0.2978, 0.4298



18.4410, 0.2155, 0.2316



18.4410, 0.4304, 0.3336

Complementary

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



18.4410, 0.2978, 0.4298



11.3786, 0.3329, 0.2460

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.



18.4410, 0.3831, 0.2872



18.4410, 0.2978, 0.4298



18.4410, 0.2567, 0.2309

Square

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



18.4410, 0.2978, 0.4298



18.4410, 0.1985, 0.2563



18.4410, 0.3173, 0.2508



18.4410, 0.4410, 0.3830

Rectangle

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



18.4410, 0.2978, 0.4298



18.4410, 0.2160, 0.3277



18.4410, 0.3173, 0.2508



18.4410, 0.4181, 0.3175

Sweetspot

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



18.4418, 0.2978, 0.4298



37.7138, 0.3078, 0.3563



20.8804, 0.3611, 0.4327



8.6904, 0.3071, 0.3607



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.



18.4418, 0.2978, 0.4298



31.9583, 0.2952, 0.4566



18.9550, 0.2732, 0.3683



5.2175, 0.3094, 0.3473



16.0428, 0.2942, 0.5791



0.0564, 0.2768, 0.5165

Inverse Universe

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



11.3786, 0.3329, 0.2460



17.5840, 0.3386, 0.2290



10.8117, 0.3798, 0.2937



4.7487, 0.3162, 0.3114



5.8003, 0.3711, 0.1818



0.0210, 0.3438, 0.1668

Previews

White Background



This preview shows how the Yxy color 18.4410, 0.2978, 0.4298 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 18.4410, 0.2978, 0.4298 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 18.4410, 0.2978, 0.4298

Background



This preview shows how black text looks on a background with the Yxy color 18.4410, 0.2978, 0.4298.



This preview shows how white text looks on a background with the Yxy color 18.4410, 0.2978, 0.4298.

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

18.4410, 0.2978, 0.4298

Protanopia

18.1401, 0.3715, 0.3995

Deuteranopia

18.2618, 0.3778, 0.3727



Tritanopia

18.3949, 0.2608, 0.3087

Trichromacy



Original Color

18.4410, 0.2978, 0.4298

Protanomaly

18.0417, 0.3408, 0.4112

Deuteranomaly

17.8672, 0.3443, 0.3913

Tritanomaly

18.2569, 0.2739, 0.3502

Monochromacy



Original Color

18.4410, 0.2978, 0.4298

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.2036, 0.3061, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4410, 0.2978, 0.4298 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(76, 131, 86)` looks like.

```
.text, #text, p{  
  color:rgb(76, 131, 86)  
}
```

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(76, 131, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 131, 86) }
```

Border

The CSS property to change the border of an element to Yxy 18.4410, 0.2978, 0.4298 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(76, 131, 86) }
```

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

```
.border{ border-color:rgb(76, 131, 86) }
```

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

Here you see how a box with a 4 pixel rgb(76, 131, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 131, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 131, 86);  
box-shadow:4px 4px 4px 4px rgb(76, 131,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4410, 0.2978, 0.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 131, 86) }
```

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

```
.background{ background-color: rgb(76, 131,  
86) }
```

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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