

Converting Colors

$Y_{xy}(18.0772, 0.2857, 0.3991)$

Have a look what the booklet for
Yxy(18.0772, 0.2857, 0.3991)
contains.

Yxy(18.0782, 0.2854, 0.3982)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.0782, 0.2854, 0.3982)

Conversions

Conversions Part 1

Format	Color
Hex	4B8162
RGB	75, 129, 98
RGB Percent	29%, 51%, 38%
CMY	0.7059, 0.4941, 0.6156
CMYK	0.42, 0.00, 0.24, 0.49
HSL	146°, 26%, 40%
HSV	146°, 42%, 51%
XYZ	12.9571, 18.0782, 14.3645
YIQ	109.3200, -22.2330, -21.0890

Conversions

Conversions Part 2

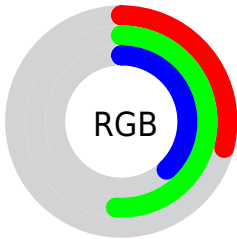
Format	Color
RYB	75, 113, 129
Decimal	4948322
CIELab	49.59, -25.39, 11.27
CIElCh	50, 27.778, 156.055
Yxy	18.0782, 0.2854, 0.3982
Android (android.graphics.Color)	4283138402 (0xFF4B8162)
YUV	109.3200, -5.5808, -30.0986
Hunter-Lab	42.5185, -20.0111, 9.7323

Details

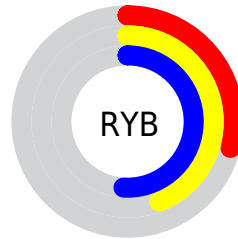
The Yxy color $18.0782, 0.2854, 0.3982$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $10.7404, 0.3554, 0.2694$, and the grayscale version is $15.4102, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.0614, 0.2919, 0.3802$, and $6.0377, 0.2724, 0.4334$ is the 20% darker color. If you saturate the color by 10%, you get $17.4769, 0.2806, 0.4185$, and if you desaturate by 10%, it is $18.7994, 0.2912, 0.3792$.

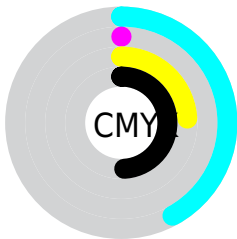
Distribution



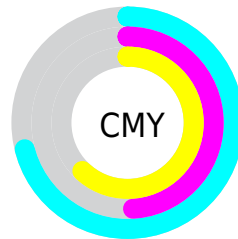
- Red (29%)
- Green (51%)
- Blue (38%)



- Red (29%)
- Yellow (44%)
- Blue (51%)



- Cyan (42%)
- Magenta (0%)
- Yellow (24%)
- Black (49%)





- Cyan (71%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0782, 0.2854, 0.3982 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 18.0782, 0.2854, 0.3982 by changing the saturation by 10% instead.


 18.0782, 0.2854,
0.3982


 18.0782, 0.2854,
0.3982


241.3115, 0.3019,
0.3567


 11.0061, 0.2798,
0.4120


 40.1705, 0.2923,
0.3809

 6.0710, 0.2715,
0.4325

 55.9596, 0.2946,
0.3751


 2.8883, 0.2576,
0.4663

 75.4231, 0.2965,
0.3705

 1.0737, 0.2127,
0.5864

 98.9455, 0.2980,
0.3667

 0.0000, 0.0000,
0.0000

 126.9111, 0.2992,
0.3636

159.7044, 0.3003,

0.3609

197.7097, 0.3012,
0.3586

■ 18.0782, 0.2854,
0.3982

■ 18.0782, 0.2854,
0.3982

■ 17.4769, 0.2806,
0.4185

■ 18.7994, 0.2912,
0.3792

■ 16.9866, 0.2769,
0.4398

■ 19.6445, 0.2976,
0.3616

■ 16.6004, 0.2748,
0.4615

■ 20.6200, 0.3044,
0.3457

■ 16.3100, 0.2745,
0.4830

■ 21.7313, 0.3114,
0.3315

■ 16.1055, 0.2759,
0.5035

■ 22.9835, 0.3184,
0.3188

 15.9764, 0.2776,
0.5194

 24.3814, 0.3253,
0.3075

 25.9297, 0.3320,
0.2976

 27.6327, 0.3384,
0.2890

 29.4945, 0.3446,
0.2813

Harmonies

Analogous

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



18.0782, 0.3375, 0.4246



18.0782, 0.2854, 0.3982



18.0782, 0.2429, 0.3480

Triad

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



18.0782, 0.2854, 0.3982



18.0782, 0.2404, 0.2452



18.0782, 0.4155, 0.3476

Complementary

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



18.0782, 0.2854, 0.3982



10.7404, 0.3554, 0.2694

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.



18.0782, 0.3852, 0.3064



18.0782, 0.2854, 0.3982



18.0782, 0.2813, 0.2500

Square

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



18.0782, 0.2854, 0.3982



18.0782, 0.2191, 0.2604



18.0782, 0.3345, 0.2719



18.0782, 0.4148, 0.3881

Rectangle

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



18.0782, 0.2854, 0.3982



18.0782, 0.2250, 0.3124



18.0782, 0.3345, 0.2719



18.0782, 0.4086, 0.3335

Sweetspot

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



18.0789, 0.2854, 0.3982



36.6574, 0.3034, 0.3479



19.3040, 0.3436, 0.4386



8.2194, 0.3021, 0.3509



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.



18.0789, 0.2854, 0.3982



31.3641, 0.2808, 0.4171



18.6648, 0.2614, 0.3383



4.8468, 0.3063, 0.3416



15.5776, 0.2776, 0.5192



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.7404, 0.3554, 0.2694



16.3999, 0.3692, 0.2566



10.2719, 0.4054, 0.3204



4.3824, 0.3196, 0.3167



5.0339, 0.4594, 0.2304



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0782, 0.2854, 0.3982 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 18.0782, 0.2854, 0.3982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

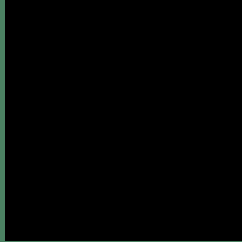
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0782, 0.2854, 0.3982

Background



This preview shows how black text looks on a background with the Yxy color 18.0782, 0.2854, 0.3982.



This preview shows how white text looks on a background with the Yxy color 18.0782, 0.2854, 0.3982.

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

18.0782, 0.2854, 0.3982

Protanopia

17.8553, 0.3542, 0.3775

Deuteranopia

17.8182, 0.3567, 0.3514



Tritanopia

17.9755, 0.2587, 0.3084

Trichromacy



Original Color

18.0782, 0.2854, 0.3982

Protanomaly

17.6087, 0.3263, 0.3850

Deuteranomaly

17.6245, 0.3275, 0.3675

Tritanomaly

18.0077, 0.2681, 0.3395

Monochromacy



Original Color

18.0782, 0.2854, 0.3982

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.0521, 0.3015, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0782, 0.2854, 0.3982 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(75, 129, 98)` looks like.

```
.text, #text, p{  
    color:rgb(75, 129, 98)  
}
```

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(75, 129, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 129, 98) }
```

Border

The CSS property to change the border of an element to Yxy 18.0782, 0.2854, 0.3982 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(75, 129, 98) }
```

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

```
.border{ border-color:rgb(75, 129, 98) }
```

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

Here you see how a box with a 4 pixel rgb(75, 129, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 129, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 129, 98);  
box-shadow:4px 4px 4px 4px rgb(75, 129,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0782, 0.2854, 0.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 129, 98) }
```

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

```
.background{ background-color: rgb(75, 129,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor