

Converting Colors

$Yxy(30.2994, 0.3034, 0.3641)$

Have a look what the booklet for
Yxy(30.2994, 0.3034, 0.3641)
contains.

Yxy(30.4807, 0.3034, 0.3641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.4807, 0.3034, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	809D88
RGB	128, 157, 136
RGB Percent	50%, 62%, 53%
CMY	0.4982, 0.3843, 0.4667
CMYK	0.18, 0.00, 0.13, 0.38
HSL	137°, 13%, 56%
HSV	137°, 18%, 62%
XYZ	25.3992, 30.4807, 27.8353
YIQ	145.9350, -10.5430, -12.6790

Conversions

Conversions Part 2

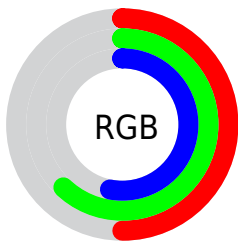
Format	Color
RYB	128, 151, 157
Decimal	8428936
CIELab	62.07, -14.44, 7.66
CIELCh	62, 16.348, 152.040
Yxy	30.4807, 0.3034, 0.3641
Android (android.graphics.Color)	4286619016 (0xFF809D88)
YUV	145.9350, -4.8980, -15.7290
Hunter-Lab	55.2093, -14.4970, 8.7538

Details

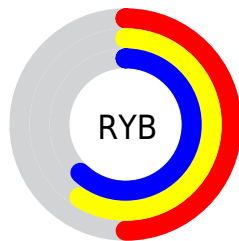
The Yxy color **30.4807, 0.3034, 0.3641** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.7691, 0.3235, 0.2963**, and the grayscale version is **28.7385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5848, 0.3056, 0.3575**, and **12.5997, 0.2997, 0.3785** is the 20% darker color. If you saturate the color by 10%, you get **29.0514, 0.2985, 0.3863**, and if you desaturate by 10%, it is **32.1352, 0.3084, 0.3442**.

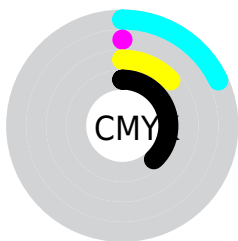
Distribution



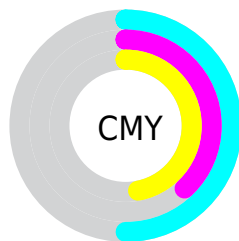
- Red (50%)
- Green (62%)
- Blue (53%)



- Red (50%)
- Yellow (59%)
- Blue (62%)



- Cyan (18%)
- Magenta (0%)
- Yellow (13%)
- Black (38%)





- Cyan (50%)
- Magenta (38%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4807, 0.3034, 0.3641 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 30.4807, 0.3034, 0.3641 by changing the saturation by 10% instead.


 30.4807, 0.3034,
0.3641


 30.4807, 0.3034,
0.3641


304.1387, 0.3086,
0.3449

 20.2037, 0.3019,
0.3695


 60.4216, 0.3054,
0.3567

 12.5432, 0.2998,
0.3770


 80.8542, 0.3062,
0.3540

 7.1148, 0.2967,
0.3877


 105.4409, 0.3067,
0.3518

 3.5340, 0.2918,
0.4047

134.5661, 0.3072,
0.3500

 1.4165, 0.2825,
0.4352

168.6140, 0.3077,
0.3484

 0.2288, 0.0000,
1.0000

207.9692, 0.3080,

 0.0000, 0.0000,

0.3471

0.0000

253.0160, 0.3083,
0.3459

■ 30.4807, 0.3034,
0.3641

■ 30.4807, 0.3034,
0.3641

■ 29.0514, 0.2985,
0.3863

■ 32.1352, 0.3084,
0.3442

■ 27.8338, 0.2941,
0.4105

■ 34.0202, 0.3135,
0.3265

■ 26.8187, 0.2903,
0.4365

■ 36.1454, 0.3184,
0.3109

■ 25.9947, 0.2874,
0.4636

■ 38.5192, 0.3232,
0.2973

■ 25.3495, 0.2858,
0.4907

■ 41.1491, 0.3277,
0.2854

■ 24.8690, 0.2856,
0.5167

■ 44.0427, 0.3320,
0.2750

■ 24.5370, 0.2870,
0.5402

■ 47.2071, 0.3360,
0.2661

■ 24.3232, 0.2894,
0.5603

■ 50.6490, 0.3397,
0.2582

■ 24.2950, 0.2897,
0.5630

■ 51.5655, 0.3310,
0.2482

Harmonies

Analogous

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



30.4807, 0.3298, 0.3753



30.4807, 0.3034, 0.3641



30.4807, 0.2802, 0.3423

Triad

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



30.4807, 0.3034, 0.3641



30.4807, 0.2737, 0.2865



30.4807, 0.3619, 0.3373

Complementary

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



30.4807, 0.3034, 0.3641



24.7691, 0.3235, 0.2963

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.



30.4807, 0.3456, 0.3154



30.4807, 0.3034, 0.3641



30.4807, 0.2942, 0.2868

Square

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



30.4807, 0.3034, 0.3641



30.4807, 0.2636, 0.2972



30.4807, 0.3205, 0.2973



30.4807, 0.3643, 0.3582

Rectangle

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



30.4807, 0.3034, 0.3641



30.4807, 0.2694, 0.3255



30.4807, 0.3205, 0.2973



30.4807, 0.3578, 0.3299

Sweetspot

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



30.4820, 0.3034, 0.3641



58.3075, 0.3096, 0.3398



32.0901, 0.3318, 0.3749



12.7881, 0.3093, 0.3408



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



30.4820, 0.3034, 0.3641



53.5292, 0.3015, 0.3725



30.9141, 0.2913, 0.3400



7.4297, 0.3080, 0.3456



19.7345, 0.2894, 0.5617



0.3595, 0.2686, 0.4870

Inverse Universe

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



24.7691, 0.3235, 0.2963



41.4628, 0.3262, 0.2891



24.3418, 0.3397, 0.3183



6.7233, 0.3177, 0.3130



6.8078, 0.4038, 0.1998



0.1284, 0.3645, 0.1781

Previews

White Background



This preview shows how the Yxy color 30.4807, 0.3034, 0.3641 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.4807, 0.3034, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

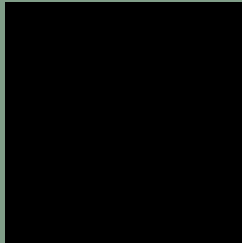
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4807, 0.3034, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 30.4807, 0.3034, 0.3641.



This preview shows how white text looks on a background with the Yxy color 30.4807, 0.3034, 0.3641.

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

30.4807, 0.3034, 0.3641

Protanopia

30.2288, 0.3367, 0.3556

Deuteranopia

30.1354, 0.3438, 0.3366



Tritanopia

30.4856, 0.2832, 0.3100

Trichromacy



Original Color

30.4807, 0.3034, 0.3641

Protanomaly

30.2609, 0.3245, 0.3595

Deuteranomaly

30.1022, 0.3275, 0.3463

Tritanomaly

30.2696, 0.2907, 0.3289

Monochromacy



Original Color

30.4807, 0.3034, 0.3641

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.2547, 0.3091, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4807, 0.3034, 0.3641 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(128, 157, 136)` looks like.

```
.text, #text, p{  
  color:rgb(128, 157, 136)  
}
```

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(128, 157, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 157, 136) }
```

Border

The CSS property to change the border of an element to Yxy 30.4807, 0.3034, 0.3641 is called "border". The border property can be set on classes, ids or directly on the HTML element.

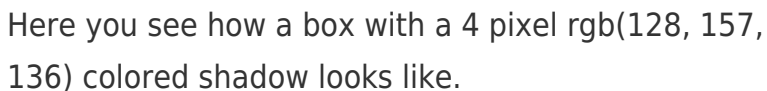
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 157, 136) }
```

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

```
.border{ border-color:rgb(128, 157, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 157, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 157, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 157, 136); box-shadow:4px 4px 4px 4px rgb(128, 157, 136) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4807, 0.3034, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 157, 136) }
```

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

```
.background{ background-color: rgb(128,  
157, 136) }
```

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