

Converting Colors

$Yxy(30.2088, 0.2956, 0.3346)$

Have a look what the booklet for
Yxy(30.2088, 0.2956, 0.3346)
contains.

Yxy(30.2998, 0.2960, 0.3354)	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(30.2998, 0.2960, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	859A96
RGB	133, 154, 150
RGB Percent	52%, 60%, 59%
CMY	0.4782, 0.3961, 0.4117
CMYK	0.14, 0.00, 0.03, 0.40
HSL	169°, 9%, 56%
HSV	169°, 14%, 60%
XYZ	26.7404, 30.2998, 33.2991
YIQ	147.2650, -11.2320, -5.6960

Conversions

Conversions Part 2

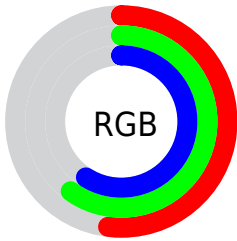
Format	Color
RYB	133, 145, 154
Decimal	8755862
CIELab	61.91, -8.20, -0.42
CIELCh	62, 8.211, 182.907
Yxy	30.2998, 0.2960, 0.3354
Android (android.graphics.Color)	4286945942 (0xFF859A96)
YUV	147.2650, 1.3484, -12.5104
Hunter-Lab	55.0453, -9.6157, 2.6648

Details

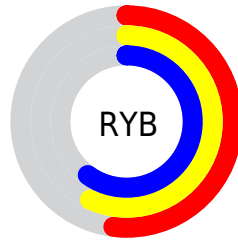
The Yxy color **30.2998, 0.2960, 0.3354** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.4654, 0.3325, 0.3227**, and the grayscale version is **29.2952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9105, 0.2992, 0.3338**, and **12.4403, 0.2903, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **29.0446, 0.2844, 0.3406**, and if you desaturate by 10%, it is **31.7437, 0.3082, 0.3306**.

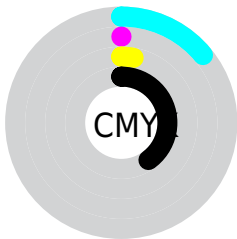
Distribution



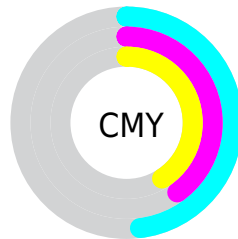
- Red (52%)
- Green (60%)
- Blue (59%)



- Red (52%)
- Yellow (57%)
- Blue (60%)



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)



- Cyan (48%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2998, 0.2960, 0.3354 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 30.2998, 0.2960, 0.3354 by changing the saturation by 10% instead.

■ 30.2998, 0.2960,
0.3354

■ 30.2998, 0.2960,
0.3354

■ 303.2994, 0.3049,
0.3320

■ 20.0663, 0.2935,
0.3363

■ 60.1360, 0.2994,
0.3341

■ 12.4432, 0.2903,
0.3376

■ 80.5074, 0.3006,
0.3336

■ 7.0463, 0.2856,
0.3393

■ 105.0269, 0.3017,
0.3333

■ 3.4911, 0.2785,
0.3420

■ 134.0789, 0.3025,
0.3329

■ 1.3932, 0.2664,
0.3465

■ 168.0477, 0.3033,
0.3326

■ 0.2117, 0.0021,
0.4482

■ 207.3178, 0.3039,

■ 0.0000, 0.0000,

0.3324

0.0000

252.2736, 0.3045,
0.3322

■ 30.2998, 0.2960,
0.3354

■ 30.2998, 0.2960,
0.3354

■ 29.0446, 0.2844,
0.3406

■ 31.7437, 0.3082,
0.3306

■ 27.9662, 0.2738,
0.3463

■ 33.3800, 0.3208,
0.3263

■ 27.0574, 0.2643,
0.3523

■ 35.2170, 0.3336,
0.3224

■ 26.3090, 0.2562,
0.3586

■ 37.2613, 0.3463,
0.3189

■ 25.7107, 0.2498,
0.3652

■ 39.5196, 0.3589,
0.3159

■ 25.2512, 0.2452,
0.3719

■ 41.9977, 0.3712,
0.3132

■ 24.9174, 0.2425,
0.3786

■ 44.7017, 0.3831,
0.3109

■ 24.6940, 0.2416,
0.3854

■ 47.4004, 0.3934,
0.3088

■ 24.5822, 0.2416,
0.3897

■ 47.5152, 0.3904,
0.3058

Harmonies

Analogous

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



30.2998, 0.3079, 0.3460



30.2998, 0.2960, 0.3354



30.2998, 0.2887, 0.3232

Triad

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



30.2998, 0.2960, 0.3354



30.2998, 0.3039, 0.3073



30.2998, 0.3385, 0.3445

Complementary

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



30.2998, 0.2960, 0.3354



25.4654, 0.3325, 0.3227

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.



30.2998, 0.3374, 0.3340



30.2998, 0.2960, 0.3354



30.2998, 0.3172, 0.3129

Square

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



30.2998, 0.2960, 0.3354



30.2998, 0.2931, 0.3073



30.2998, 0.3296, 0.3225



30.2998, 0.3325, 0.3511

Rectangle

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



30.2998, 0.2960, 0.3354



30.2998, 0.2872, 0.3160



30.2998, 0.3296, 0.3225



30.2998, 0.3389, 0.3413

Sweetspot

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



30.3011, 0.2960, 0.3354



57.5389, 0.3076, 0.3308



30.1413, 0.3153, 0.3634



12.9788, 0.3067, 0.3312



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.



30.3011, 0.2960, 0.3354



54.3977, 0.2928, 0.3368



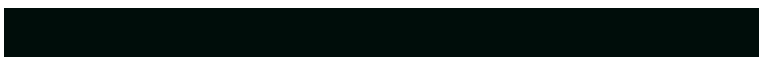
28.4121, 0.2923, 0.3187



7.0064, 0.3013, 0.3333



20.0357, 0.2414, 0.3891



0.3041, 0.2332, 0.3593

Inverse Universe

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



25.4654, 0.3325, 0.3227



44.0455, 0.3372, 0.3214



27.1260, 0.3355, 0.3391



6.2409, 0.3255, 0.3248



5.6746, 0.6054, 0.3109



0.0890, 0.5134, 0.2602

Previews

White Background



This preview shows how the Yxy color 30.2998, 0.2960, 0.3354 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 30.2998, 0.2960, 0.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

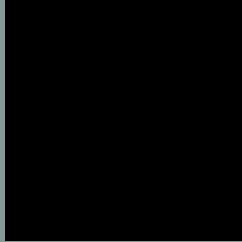
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

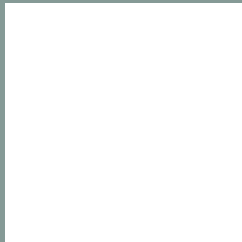
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2998, 0.2960, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 30.2998, 0.2960, 0.3354.



This preview shows how white text looks on a background with the Yxy color 30.2998, 0.2960, 0.3354.

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

30.2998, 0.2960, 0.3354

Protanopia

30.2769, 0.3177, 0.3321

Deuteranopia

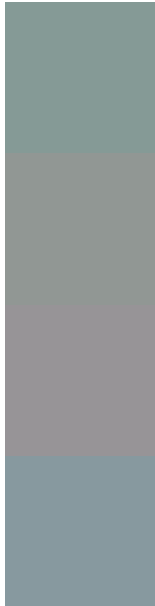
30.1992, 0.3237, 0.3185



Tritanopia

30.3710, 0.2867, 0.3100

Trichromacy



Original Color

30.2998, 0.2960, 0.3354

Protanomaly

30.2911, 0.3095, 0.3337

Deuteranomaly

29.9935, 0.3129, 0.3243

Tritanomaly

30.4366, 0.2901, 0.3194

Monochromacy



Original Color

30.2998, 0.2960, 0.3354

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.7016, 0.3065, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2998, 0.2960, 0.3354 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(133, 154, 150)` looks like.

```
.text, #text, p{  
  color:rgb(133, 154, 150)  
}
```

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(133, 154, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 154, 150) }
```

Border

The CSS property to change the border of an element to Yxy 30.2998, 0.2960, 0.3354 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(133, 154, 150) }
```

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

```
.border{ border-color:rgb(133, 154, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 154, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 154, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 154, 150);  
box-shadow:4px 4px 4px 4px rgb(133, 154,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2998, 0.2960, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 154, 150) }
```

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

```
.background{ background-color: rgb(133,  
154, 150) }
```

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