

Converting Colors

$Yxy(30.9814, 0.3108, 0.3324)$

Have a look what the booklet for
Yxy(30.9814, 0.3108, 0.3324)
contains.

Yxy(30.9544, 0.3106, 0.3321)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.9544, 0.3106, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	949896
RGB	148, 152, 150
RGB Percent	58%, 60%, 59%
CMY	0.4195, 0.4039, 0.4118
CMYK	0.03, 0.00, 0.01, 0.40
HSL	150°, 2%, 59%
HSV	150°, 3%, 60%
XYZ	28.9504, 30.9544, 33.3032
YIQ	150.5760, -1.7420, -1.4700

Conversions

Conversions Part 2

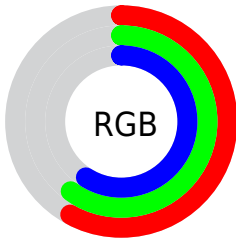
Format	Color
R_YB	148, 151, 152
Decimal	9738390
CIE Lab	62.47, -1.81, 0.54
CIE LCh	62, 1.892, 163.465
Yxy	30.9544, 0.3106, 0.3321
Android (android.graphics.Color)	4287928470 (0xFF949896)
YUV	150.5760, -0.2840, -2.2592
Hunter-Lab	55.6367, -4.4821, 3.4556

Details

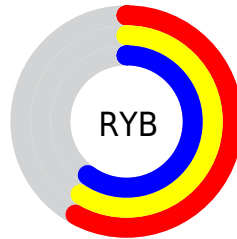
The Yxy color **30.9544, 0.3106, 0.3321** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.0681, 0.3149, 0.3259**, and the grayscale version is **30.7613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0588, 0.3111, 0.3313**, and **12.7496, 0.3096, 0.3335** is the 20% darker color. If you saturate the color by 10%, you get **29.3913, 0.3026, 0.3449**, and if you desaturate by 10%, it is **32.7224, 0.3187, 0.3207**.

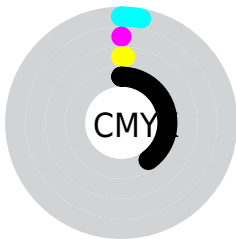
Distribution



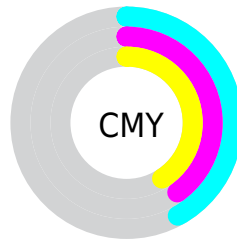
- Red (58%)
- Green (60%)
- Blue (59%)



- Red (58%)
- Yellow (59%)
- Blue (60%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (40%)



- Cyan (42%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9544, 0.3106, 0.3321 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 30.9544, 0.3106, 0.3321 by changing the saturation by 10% instead.

■ 30.9544, 0.3106,
0.3321

■ 30.9544, 0.3106,
0.3321

■ 306.3282, 0.3117,
0.3305

■ 20.5641, 0.3103,
0.3326

■ 61.1683, 0.3110,
0.3315

■ 12.8058, 0.3099,
0.3332

■ 81.7607, 0.3112,
0.3312

■ 7.2949, 0.3093,
0.3340

■ 106.5225, 0.3113,
0.3311

■ 3.6472, 0.3084,
0.3353

■ 135.8383, 0.3114,
0.3309

■ 1.4783, 0.3068,
0.3376

■ 170.0924, 0.3115,
0.3308

■ 0.2733, 0.2878,
0.3650

■ 209.6691, 0.3116,

■ 0.0000, 0.0000,

0.3306

0.0000

254.9529, 0.3117,
0.3305

■ 30.9544, 0.3106,
0.3321

■ 30.9544, 0.3106,
0.3321

■ 29.3913, 0.3026,
0.3449

■ 32.7224, 0.3187,
0.3207

■ 28.0216, 0.2948,
0.3591

■ 34.6983, 0.3268,
0.3106

■ 26.8387, 0.2875,
0.3747

■ 36.8904, 0.3346,
0.3017

■ 25.8340, 0.2810,
0.3917

■ 39.3049, 0.3422,
0.2939

■ 24.9983, 0.2756,
0.4097

■ 41.9481, 0.3495,
0.2870

■ 24.3215, 0.2716,
0.4286

■ 44.8260, 0.3565,
0.2811

■ 23.7924, 0.2693,
0.4480

■ 47.9441, 0.3630,
0.2758

■ 23.3982, 0.2688,
0.4673

■ 48.4271, 0.3562,
0.2685

■ 23.1240, 0.2702,
0.4859

■ 48.8204, 0.3489,
0.2612

Harmonies

Analogous

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



30.9544, 0.3136, 0.3338



30.9544, 0.3106, 0.3321



30.9544, 0.3081, 0.3295

Triad

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



30.9544, 0.3106, 0.3321



30.9544, 0.3090, 0.3238



30.9544, 0.3186, 0.3311

Complementary

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



30.9544, 0.3106, 0.3321



30.0681, 0.3149, 0.3259

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.



30.9544, 0.3173, 0.3285



30.9544, 0.3106, 0.3321



30.9544, 0.3118, 0.3243

Square

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



30.9544, 0.3106, 0.3321



30.9544, 0.3072, 0.3248



30.9544, 0.3148, 0.3260



30.9544, 0.3183, 0.3333

Rectangle

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



30.9544, 0.3106, 0.3321



30.9544, 0.3071, 0.3277



30.9544, 0.3148, 0.3260



30.9544, 0.3183, 0.3303

Sweetspot

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



30.9557, 0.3106, 0.3321



55.1150, 0.3119, 0.3302



31.0854, 0.3145, 0.3352



12.5312, 0.3119, 0.3301



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



30.9557, 0.3106, 0.3321



54.5119, 0.3102, 0.3327



31.0183, 0.3088, 0.3291



7.1792, 0.3097, 0.3334



19.2675, 0.2717, 0.4981



0.2954, 0.2505, 0.4217

Inverse Universe

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



30.0681, 0.3149, 0.3259



52.6782, 0.3153, 0.3254



30.0065, 0.3167, 0.3289



6.8879, 0.3158, 0.3246



6.0466, 0.4900, 0.2473



0.0977, 0.4047, 0.2003

Previews

White Background



This preview shows how the Yxy color 30.9544, 0.3106, 0.3321 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 30.9544, 0.3106, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

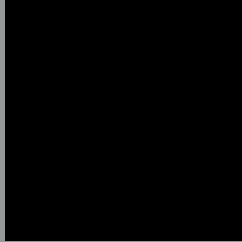
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

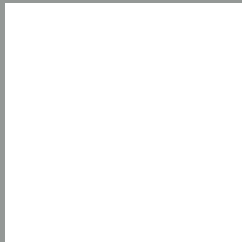
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9544, 0.3106, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 30.9544, 0.3106, 0.3321.



This preview shows how white text looks on a background with the Yxy color 30.9544, 0.3106, 0.3321.

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

30.9544, 0.3106, 0.3321

Protanopia

30.8526, 0.3178, 0.3306

Deuteranopia

30.7915, 0.3278, 0.3216



Tritanopia

30.9054, 0.3016, 0.3107

Trichromacy



Original Color

30.9544, 0.3106, 0.3321

Protanomaly

30.9785, 0.3156, 0.3321

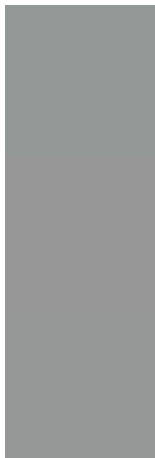
Deuteranomaly

30.7851, 0.3212, 0.3245

Tritanomaly

30.9914, 0.3043, 0.3182

Monochromacy



Original Color

30.9544, 0.3106, 0.3321

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.8516, 0.3117, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9544, 0.3106, 0.3321 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(148, 152, 150)` looks like.

```
.text, #text, p{  
    color:rgb(148, 152, 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(148, 152, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 152, 150) }
```

Border

The CSS property to change the border of an element to Yxy 30.9544, 0.3106, 0.3321 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(148, 152, 150) }
```

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

```
.border{ border-color:rgb(148, 152, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 152, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 152, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 152, 150);  
box-shadow:4px 4px 4px 4px rgb(148, 152,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9544, 0.3106, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 152, 150) }
```

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

```
.background{ background-color: rgb(148,  
152, 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