

Converting Colors

Yxy(31.4616, 0.3034, 0.3287)

Have a look what the booklet for
Yxy(31.4616, 0.3034, 0.3287)
contains.

Yxy(31.4640, 0.3039, 0.3290)	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(31.4640, 0.3039, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	919A9A
RGB	145, 154, 154
RGB Percent	57%, 60%, 60%
CMY	0.4314, 0.3961, 0.3961
CMYK	0.06, 0.00, 0.00, 0.40
HSL	180°, 4%, 59%
HSV	180°, 6%, 60%
XYZ	29.0636, 31.4640, 35.1077
YIQ	151.3090, -5.3640, -1.9080

Conversions

Conversions Part 2

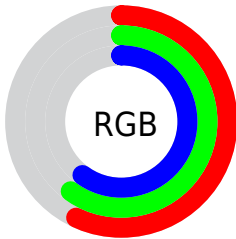
Format	Color
R _Y B	145, 150, 154
Decimal	9542298
CIE Lab	62.90, -3.22, -1.11
CIE LCh	63, 3.409, 199.075
Yxy	31.4640, 0.3039, 0.3290
Android (android.graphics.Color)	4287732378 (0xFF919A9A)
YUV	151.3090, 1.3267, -5.5330
Hunter-Lab	56.0928, -5.6755, 2.1561

Details

The Yxy color **31.4640, 0.3039, 0.3290** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1643, 0.3222, 0.3290**, and the grayscale version is **31.0825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8079, 0.3060, 0.3290**, and **13.1127, 0.3015, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **30.1588, 0.2894, 0.3290**, and if you desaturate by 10%, it is **32.9615, 0.3191, 0.3290**.

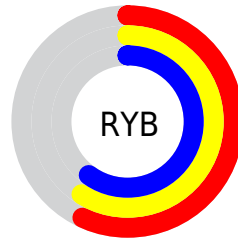
Distribution



Red (57%)

Green (60%)

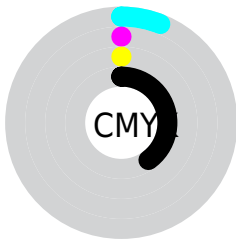
Blue (60%)



Red (57%)

Yellow (59%)

Blue (60%)

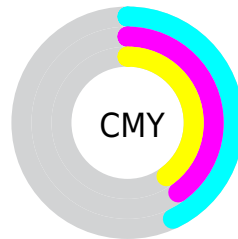


Cyan (6%)

Magenta (0%)

Yellow (0%)

Black (40%)



Cyan (43%)

Magenta (40%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4640, 0.3039, 0.3290 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 31.4640, 0.3039, 0.3290 by changing the saturation by 10% instead.

■ 31.4640, 0.3039,
0.3290

■ 31.4640, 0.3039,
0.3290

308.6703, 0.3086,
0.3290

■ 20.9524, 0.3026,
0.3290

■ 61.9699, 0.3057,
0.3290

■ 13.0892, 0.3009,
0.3290

■ 82.7329, 0.3063,
0.3290

■ 7.4900, 0.2985,
0.3289

107.6820, 0.3069,
0.3290

■ 3.7704, 0.2949,
0.3289

137.2014, 0.3073,
0.3290

■ 1.5460, 0.2888,
0.3287

171.6755, 0.3077,
0.3290

■ 0.3208, 0.2322,
0.3293

211.4888, 0.3080,

■ 0.0000, 0.0000,

0.3290

0.0000

257.0256, 0.3083,
0.3290

■ 31.4640, 0.3039,
0.3290

■ 31.4640, 0.3039,
0.3290

■ 30.1588, 0.2894,
0.3290

■ 32.9615, 0.3191,
0.3290

■ 29.0344, 0.2759,
0.3290

■ 34.6545, 0.3347,
0.3290

■ 28.0840, 0.2637,
0.3291

■ 36.5511, 0.3504,
0.3290

■ 27.2988, 0.2529,
0.3291

■ 38.6577, 0.3661,
0.3290

■ 26.6696, 0.2438,
0.3291

■ 40.9805, 0.3816,
0.3290

■ 26.1857, 0.2366,
0.3292

■ 43.5255, 0.3966,
0.3291

■ 25.8357, 0.2311,
0.3292

■ 46.2983, 0.4111,
0.3291

■ 25.6060, 0.2275,
0.3293

■ 46.7145, 0.4131,
0.3291

■ 25.4780, 0.2255,
0.3293

■ 46.7155, 0.4131,
0.3290

Harmonies

Analogous

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



31.4640, 0.3080, 0.3338



31.4640, 0.3039, 0.3290



31.4640, 0.3022, 0.3243

Triad

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



31.4640, 0.3039, 0.3290



31.4640, 0.3121, 0.3210



31.4640, 0.3223, 0.3371

Complementary

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



31.4640, 0.3039, 0.3290



29.1643, 0.3222, 0.3290

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.



31.4640, 0.3234, 0.3336



31.4640, 0.3039, 0.3290



31.4640, 0.3175, 0.3243

Square

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



31.4640, 0.3039, 0.3290



31.4640, 0.3069, 0.3197



31.4640, 0.3216, 0.3289



31.4640, 0.3186, 0.3385

Rectangle

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



31.4640, 0.3039, 0.3290



31.4640, 0.3026, 0.3218



31.4640, 0.3216, 0.3289



31.4640, 0.3229, 0.3362

Sweetspot

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



31.4653, 0.3039, 0.3290



58.1485, 0.3096, 0.3290



31.1904, 0.3122, 0.3432



13.1690, 0.3098, 0.3290



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.



31.4653, 0.3039, 0.3290



56.8291, 0.3020, 0.3290



30.0538, 0.3040, 0.3221



7.0829, 0.3016, 0.3290



20.7217, 0.2248, 0.3293



0.3099, 0.2247, 0.3291

Inverse Universe

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



29.1643, 0.3222, 0.3290



51.7727, 0.3245, 0.3290



30.5207, 0.3217, 0.3358



6.4322, 0.3249, 0.3290



5.5978, 0.6398, 0.3298



0.0837, 0.6383, 0.3290

Previews

White Background



This preview shows how the Yxy color 31.4640, 0.3039, 0.3290 looks on a white background.

Color Contrast Check

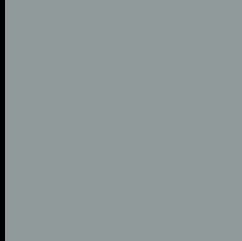
Large Text (above 18pt) WCAG AA × Fail

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 31.4640, 0.3039, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

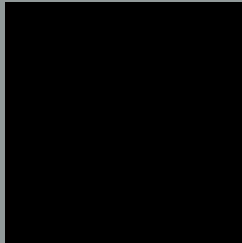
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

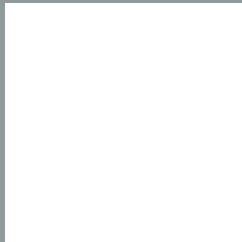
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.4640, 0.3039, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 31.4640, 0.3039, 0.3290.

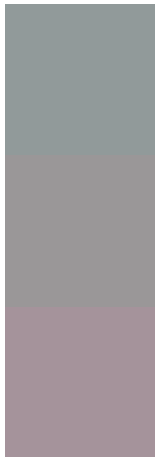


This preview shows how white text looks on a background with the Yxy color 31.4640, 0.3039, 0.3290.

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

31.4640, 0.3039, 0.3290

Protanopia

31.2702, 0.3148, 0.3275

Deuteranopia

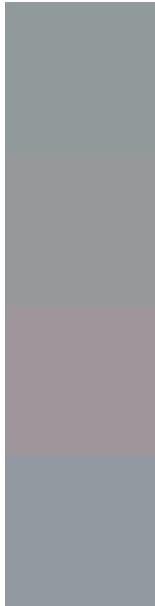
31.2333, 0.3237, 0.3172



Tritanopia

31.3399, 0.2970, 0.3106

Trichromacy



Original Color

31.4640, 0.3039, 0.3290

Protanomaly

31.3357, 0.3108, 0.3275

Deuteranomaly

31.4484, 0.3161, 0.3215

Tritanomaly

31.4315, 0.2995, 0.3182

Monochromacy



Original Color

31.4640, 0.3039, 0.3290

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.1130, 0.3097, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4640, 0.3039, 0.3290 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(145, 154, 154)` looks like.

```
.text, #text, p{  
    color:rgb(145, 154, 154)  
}
```

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(145, 154, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 154, 154) }
```

Border

The CSS property to change the border of an element to Yxy 31.4640, 0.3039, 0.3290 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(145, 154, 154) }
```

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

```
.border{ border-color:rgb(145, 154, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 154, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 154, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 154, 154);  
box-shadow:4px 4px 4px 4px rgb(145, 154,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4640, 0.3039, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 154, 154) }
```

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

```
.background{ background-color: rgb(145,  
154, 154) }
```

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