

Converting Colors

$Y_{xy}(30.2140, 0.3137, 0.3282)$

Have a look what the booklet for
Yxy(30.2140, 0.3137, 0.3282)
contains.

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Color

Yxy(30.1809, 0.3128, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	969596
RGB	150, 149, 150
RGB Percent	59%, 58%, 59%
CMY	0.4117, 0.4157, 0.4117
CMYK	0.00, 0.01, 0.00, 0.41
HSL	301°, 0%, 59%
HSV	301°, 1%, 59%
XYZ	28.8350, 30.1809, 33.1676
YIQ	149.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

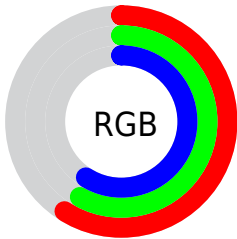
Format	Color
R_{YB}	150, 149, 150
Decimal	9868694
CIE Lab	61.81, 0.58, -0.41
CIE LCh	62, 0.713, 324.409
Yxy	30.1809, 0.3128, 0.3274
Android (android.graphics.Color)	4288058774 (0xFF969596)
YUV	149.4130, 0.2894, 0.5148
Hunter-Lab	54.9371, -2.4502, 2.6604

Details

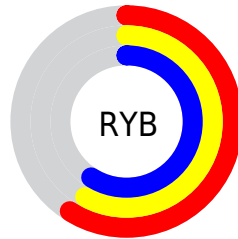
The Yxy color **30.1809, 0.3128, 0.3274** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.3806, 0.3126, 0.3306**, and the grayscale version is **30.2391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9089, 0.3128, 0.3278**, and **12.2889, 0.3128, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **25.7329, 0.3140, 0.3038**, and if you desaturate by 10%, it is **35.2430, 0.3116, 0.3500**.

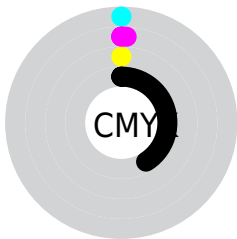
Distribution



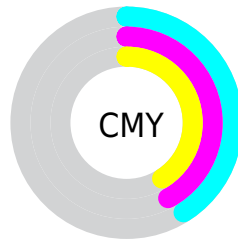
- Red (59%)
- Green (58%)
- Blue (59%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (41%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1809, 0.3128, 0.3274 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 30.1809, 0.3128, 0.3274 by changing the saturation by 10% instead.

■ 30.1809, 0.3128,
0.3274

■ 30.1809, 0.3128,
0.3274

302.7468, 0.3128,
0.3283

■ 19.9759, 0.3128,
0.3272

■ 59.9481, 0.3128,
0.3277

■ 12.3776, 0.3128,
0.3268

■ 80.2792, 0.3128,
0.3279

■ 7.0014, 0.3128,
0.3264

104.7544, 0.3128,
0.3280

■ 3.4629, 0.3129,
0.3257

133.7582, 0.3128,
0.3280

■ 1.3779, 0.3129,
0.3245

167.6749, 0.3128,
0.3281

■ 0.2004, 0.3137,
0.3073

206.8890, 0.3128,

■ 0.0000, 0.0000,

0.3282

0.0000

251.7848, 0.3128,
0.3282

■ 30.1809, 0.3128,
0.3274

■ 30.1809, 0.3128,
0.3274

■ 25.7329, 0.3140,
0.3038

■ 35.2430, 0.3116,
0.3500

■ 21.8720, 0.3153,
0.2796

■ 40.9374, 0.3105,
0.3714

■ 18.5748, 0.3167,
0.2556

■ 47.2860, 0.3095,
0.3912

■ 15.8149, 0.3180,
0.2326

■ 54.3090, 0.3086,
0.4094

■ 13.5639, 0.3192,
0.2113

■ 62.0252, 0.3078,
0.4261

■ 11.7905, 0.3203,
0.1928

■ 70.4530, 0.3070,
0.4412

■ 10.4604, 0.3212,
0.1776

■ 79.6100, 0.3063,
0.4549

■ 9.5342, 0.3220,
0.1664

■ 80.2420, 0.3062,
0.4556

■ 8.9661, 0.3226,
0.1593

■ 80.2461, 0.3062,
0.4555

Harmonies

Analogous

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



30.1809, 0.3117, 0.3270



30.1809, 0.3128, 0.3274



30.1809, 0.3139, 0.3282

Triad

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



30.1809, 0.3128, 0.3274



30.1809, 0.3146, 0.3308



30.1809, 0.3107, 0.3288

Complementary

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



30.1809, 0.3128, 0.3274



30.3806, 0.3126, 0.3306

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.



30.1809, 0.3115, 0.3299



30.1809, 0.3128, 0.3274



30.1809, 0.3138, 0.3310

Square

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



30.1809, 0.3128, 0.3274



30.1809, 0.3150, 0.3302



30.1809, 0.3126, 0.3307



30.1809, 0.3105, 0.3279

Rectangle

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



30.1809, 0.3128, 0.3274



30.1809, 0.3145, 0.3289



30.1809, 0.3126, 0.3307



30.1809, 0.3110, 0.3292

Sweetspot

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



30.1822, 0.3128, 0.3274



53.8236, 0.3127, 0.3290



30.0847, 0.3117, 0.3274



11.9280, 0.3127, 0.3290



74.8414, 0.3127, 0.3290

Same Dimension

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



30.1822, 0.3128, 0.3274



52.9669, 0.3128, 0.3266



30.1658, 0.3133, 0.3282



6.7403, 0.3128, 0.3269



7.1707, 0.3230, 0.1553



0.0880, 0.3219, 0.1547

Inverse Universe

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



30.1822, 0.3128, 0.3274



52.9669, 0.3128, 0.3266



30.3969, 0.3122, 0.3298



6.7403, 0.3128, 0.3269



7.1707, 0.3230, 0.1553



0.0880, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 30.1809, 0.3128, 0.3274 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 30.1809, 0.3128, 0.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

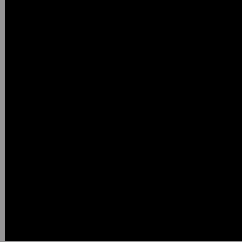
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

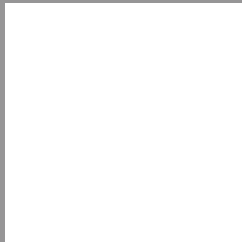
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.1809, 0.3128, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 30.1809, 0.3128, 0.3274.

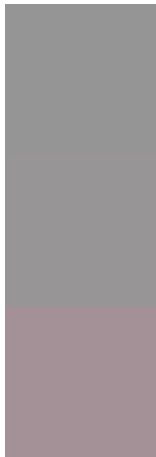


This preview shows how white text looks on a background with the Yxy color 30.1809, 0.3128, 0.3274.

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

30.1809, 0.3128, 0.3274

Protanopia

30.3723, 0.3148, 0.3275

Deuteranopia

30.2717, 0.3258, 0.3200



Tritanopia

30.2623, 0.3054, 0.3121

Trichromacy



Original Color

30.1809, 0.3128, 0.3274

Protanomaly

30.2762, 0.3138, 0.3275

Deuteranomaly

30.0612, 0.3204, 0.3214

Tritanomaly

30.1594, 0.3082, 0.3167

Monochromacy



Original Color

30.1809, 0.3128, 0.3274

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.0544, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1809, 0.3128, 0.3274 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(150, 149, 150)` looks like.

```
.text, #text, p{  
    color:rgb(150, 149, 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(150, 149, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 149, 150) }
```

Border

The CSS property to change the border of an element to Yxy 30.1809, 0.3128, 0.3274 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(150, 149, 150) }
```

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

```
.border{ border-color:rgb(150, 149, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 149, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 149, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 149, 150);  
box-shadow:4px 4px 4px 4px rgb(150, 149,  
150) }
```

Background

The CSS property to change the background color of an element to Yxy 30.1809, 0.3128, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 149, 150) }
```

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

```
.background{ background-color: rgb(150,  
149, 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](#).

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