

Converting Colors

$Y_{xy}(28.6134, 0.3166, 0.3320)$

Have a look what the booklet for
Yxy(28.6134, 0.3166, 0.3320)
contains.

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Color

Yxy(28.4675, 0.3158, 0.3306)

Conversions

Conversions Part 1

Format	Color
Hex	939190
RGB	147, 145, 144
RGB Percent	58%, 57%, 56%
CMY	0.4235, 0.4314, 0.4353
CMYK	0.00, 0.01, 0.02, 0.42
HSL	20°, 1%, 57%
HSV	20°, 2%, 58%
XYZ	27.1931, 28.4675, 30.4480
YIQ	145.4840, 1.5130, 0.1130

Conversions

Conversions Part 2

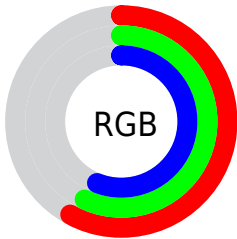
Format	Color
RYB	147, 146, 144
Decimal	9671056
CIELab	60.31, 0.55, 0.78
CIELCh	60, 0.954, 54.897
Yxy	28.4675, 0.3158, 0.3306
Android (android.graphics.Color)	4287861136 (0xFF939190)
YUV	145.4840, -0.7316, 1.3295
Hunter-Lab	53.3549, -2.3961, 3.5135

Details

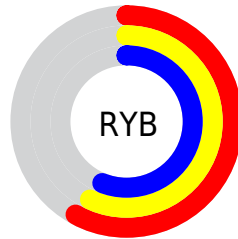
The Yxy color **28.4675, 0.3158, 0.3306** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.5970, 0.3097, 0.3274**, and the grayscale version is **28.5262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3416, 0.3150, 0.3302**, and **11.4794, 0.3157, 0.3313** is the 20% darker color. If you saturate the color by 10%, you get **25.1766, 0.3325, 0.3388**, and if you desaturate by 10%, it is **32.0786, 0.3016, 0.3230**.

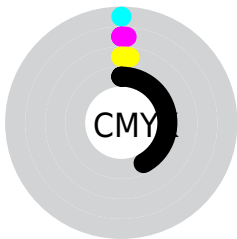
Distribution



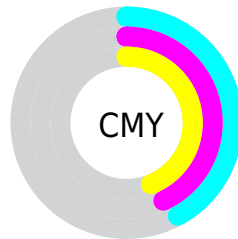
- Red (58%)
- Green (57%)
- Blue (56%)



- Red (58%)
- Yellow (57%)
- Blue (56%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (42%)



- Cyan (42%)
- Magenta (43%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4675, 0.3158, 0.3306 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 28.4675, 0.3158, 0.3306 by changing the saturation by 10% instead.

■ 28.4675, 0.3158,
0.3306

■ 28.4675, 0.3158,
0.3306

■ 294.6941, 0.3141,
0.3297

■ 18.6784, 0.3163,
0.3308

■ 57.2300, 0.3152,
0.3303

■ 11.4381, 0.3169,
0.3312

■ 76.9721, 0.3149,
0.3302

■ 6.3623, 0.3178,
0.3316

■ 100.8007, 0.3147,
0.3301

■ 3.0666, 0.3192,
0.3323

■ 129.1001, 0.3146,
0.3300

■ 1.1666, 0.3217,
0.3336

■ 162.2547, 0.3144,
0.3299

■ 0.0342, 0.5730,
0.4270

■ 200.6490, 0.3143,

■ 0.0000, 0.0000,

0.3298

0.0000

244.6674, 0.3142,
0.3298

■ 28.4675, 0.3158,
0.3306

■ 28.4675, 0.3158,
0.3306

■ 25.1766, 0.3325,
0.3388

■ 32.0786, 0.3016,
0.3230

■ 22.1935, 0.3520,
0.3474

■ 36.0147, 0.2896,
0.3160

■ 19.5102, 0.3749,
0.3564

■ 40.2850, 0.2793,
0.3096

■ 17.1170, 0.4013,
0.3652

■ 44.8974, 0.2705,
0.3037

■ 15.0039, 0.4312,
0.3733

■ 49.8594, 0.2629,
0.2984

■ 13.1599, 0.4641,
0.3798

■ 55.1783, 0.2564,
0.2935

■ 11.5736, 0.4987,
0.3837

■ 60.8611, 0.2507,
0.2891

■ 10.2323, 0.5327,
0.3838

■ 66.4817, 0.2488,
0.2922

■ 9.1222, 0.5631,
0.3793

■ 71.8965, 0.2507,
0.3039

Harmonies

Analogous

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



28.4675, 0.3155, 0.3293



28.4675, 0.3158, 0.3306



28.4675, 0.3153, 0.3315

Triad

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



28.4675, 0.3158, 0.3306



28.4675, 0.3111, 0.3301



28.4675, 0.3113, 0.3263

Complementary

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



28.4675, 0.3158, 0.3306



28.5970, 0.3097, 0.3274

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.



28.4675, 0.3101, 0.3265



28.4675, 0.3158, 0.3306



28.4675, 0.3100, 0.3288

Square

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



28.4675, 0.3158, 0.3306



28.4675, 0.3126, 0.3312



28.4675, 0.3097, 0.3274



28.4675, 0.3129, 0.3268

Rectangle

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



28.4675, 0.3158, 0.3306



28.4675, 0.3146, 0.3317



28.4675, 0.3097, 0.3274



28.4675, 0.3109, 0.3263

Sweetspot

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



28.4687, 0.3158, 0.3306



51.6128, 0.3142, 0.3298



28.2283, 0.3139, 0.3257



11.7911, 0.3141, 0.3297



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



28.4687, 0.3158, 0.3306



50.9794, 0.3158, 0.3306



28.9163, 0.3157, 0.3329



6.6881, 0.3155, 0.3304



7.3127, 0.5839, 0.3746



0.1394, 0.5106, 0.4328

Inverse Universe

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



28.5970, 0.3097, 0.3274



51.2089, 0.3097, 0.3274



28.1512, 0.3098, 0.3251



6.7152, 0.3100, 0.3276



9.4708, 0.1943, 0.2194



0.1702, 0.2097, 0.2750

Previews

White Background



This preview shows how the Yxy color 28.4675, 0.3158, 0.3306 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4675, 0.3158, 0.3306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

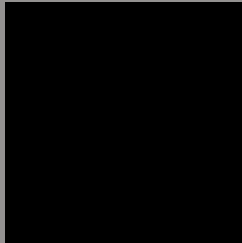
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4675, 0.3158, 0.3306

Background



This preview shows how black text looks on a background with the Yxy color 28.4675, 0.3158, 0.3306.



This preview shows how white text looks on a background with the Yxy color 28.4675, 0.3158, 0.3306.

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

28.4675, 0.3158, 0.3306

Protanopia

28.5603, 0.3169, 0.3306

Deuteranopia

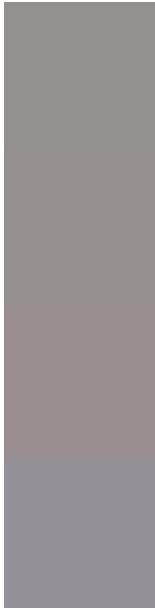
28.4650, 0.3282, 0.3229



Tritanopia

28.4010, 0.3073, 0.3102

Trichromacy



Original Color

28.4675, 0.3158, 0.3306

Protanomaly

28.5603, 0.3169, 0.3306

Deuteranomaly

28.3589, 0.3237, 0.3244

Tritanomaly

28.4768, 0.3101, 0.3180

Monochromacy



Original Color

28.4675, 0.3158, 0.3306

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.4061, 0.3138, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4675, 0.3158, 0.3306 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(147, 145, 144)` looks like.

```
.text, #text, p{  
    color:rgb(147, 145, 144)  
}
```

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(147, 145, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 145, 144) }
```

Border

The CSS property to change the border of an element to Yxy 28.4675, 0.3158, 0.3306 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(147, 145, 144) }
```

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

```
.border{ border-color:rgb(147, 145, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 145, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 145, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 145, 144);  
box-shadow:4px 4px 4px 4px rgb(147, 145,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4675, 0.3158, 0.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 145, 144) }
```

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

```
.background{ background-color: rgb(147,  
145, 144) }
```

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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