

Converting Colors

$Y_{xy}(29.8224, 0.3042, 0.3209)$

Have a look what the booklet for
Yxy(29.8224, 0.3042, 0.3209)
contains.

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Color

Yxy(29.8477, 0.3040, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	91959A
RGB	145, 149, 154
RGB Percent	57%, 58%, 60%
CMY	0.4314, 0.4157, 0.3960
CMYK	0.06, 0.03, 0.00, 0.40
HSL	213°, 4%, 59%
HSV	213°, 6%, 60%
XYZ	28.2582, 29.8477, 34.8487
YIQ	148.3740, -3.9890, 0.7070

Conversions

Conversions Part 2

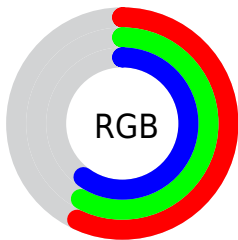
Format	Color
RYB	145, 148, 154
Decimal	9541018
CIELab	61.52, -0.44, -3.15
CIELCh	62, 3.177, 262.092
Yxy	29.8477, 0.3040, 0.3211
Android (android.graphics.Color)	4287731098 (0xFF91959A)
YUV	148.3740, 2.7736, -2.9590
Hunter-Lab	54.6330, -3.2812, 0.4240

Details

The Yxy color **29.8477, 0.3040, 0.3211** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7326, 0.3216, 0.3368**, and the grayscale version is **29.7690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4081, 0.3062, 0.3231**, and **12.1475, 0.3016, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **25.9319, 0.2885, 0.3063**, and if you desaturate by 10%, it is **34.1550, 0.3187, 0.3343**.

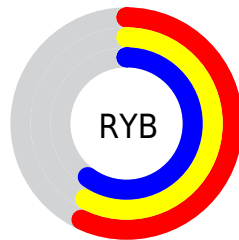
Distribution



Red (57%)

Green (58%)

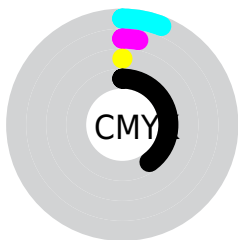
Blue (60%)



Red (57%)

Yellow (58%)

Blue (60%)

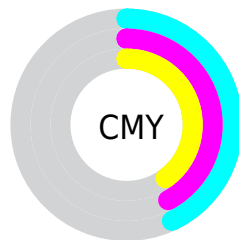


Cyan (6%)

Magenta (3%)

Yellow (0%)

Black (40%)



Cyan (43%)

Magenta (42%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8477, 0.3040, 0.3211 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 29.8477, 0.3040, 0.3211 by changing the saturation by 10% instead.

■ 29.8477, 0.3040,
0.3211

■ 29.8477, 0.3040,
0.3211

301.1939, 0.3087,
0.3254

■ 19.7230, 0.3027,
0.3199

■ 59.4212, 0.3058,
0.3227

■ 12.1939, 0.3010,
0.3183

■ 79.6389, 0.3064,
0.3233

■ 6.8758, 0.2985,
0.3161

103.9896, 0.3070,
0.3238

■ 3.3846, 0.2948,
0.3127

132.8579, 0.3074,
0.3242

■ 1.3357, 0.2883,
0.3067

166.6281, 0.3078,
0.3246

■ 0.1686, 0.2072,
0.2336

205.6845, 0.3081,

■ 0.0000, 0.0000,

0.3249

0.0000

250.4117, 0.3084,
0.3251

■ 29.8477, 0.3040,
0.3211

■ 29.8477, 0.3040,
0.3211

■ 25.9319, 0.2885,
0.3063

■ 34.1550, 0.3187,
0.3343

■ 22.3921, 0.2724,
0.2900

■ 38.8614, 0.3326,
0.3460

■ 19.2169, 0.2560,
0.2721

■ 43.9789, 0.3455,
0.3563

■ 16.3932, 0.2396,
0.2528

■ 49.5178, 0.3574,
0.3653

■ 13.9067, 0.2237,
0.2324

■ 55.4881, 0.3684,
0.3733

■ 11.7422, 0.2089,
0.2112

■ 61.8995, 0.3786,
0.3802

■ 9.8828, 0.1957,
0.1900

■ 68.7611, 0.3879,
0.3862

■ 8.3097, 0.1847,
0.1693

■ 73.4893, 0.3862,
0.3941

■ 6.9985, 0.1761,
0.1498

■ 78.0343, 0.3829,
0.4021

Harmonies

Analogous

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



29.8477, 0.3027, 0.3241



29.8477, 0.3040, 0.3211



29.8477, 0.3076, 0.3202

Triad

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



29.8477, 0.3040, 0.3211



29.8477, 0.3214, 0.3294



29.8477, 0.3128, 0.3366

Complementary

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



29.8477, 0.3040, 0.3211



30.7326, 0.3216, 0.3368

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.



29.8477, 0.3178, 0.3380



29.8477, 0.3040, 0.3211



29.8477, 0.3228, 0.3338

Square

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



29.8477, 0.3040, 0.3211



29.8477, 0.3177, 0.3250



29.8477, 0.3215, 0.3369



29.8477, 0.3077, 0.3331

Rectangle

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



29.8477, 0.3040, 0.3211



29.8477, 0.3109, 0.3209



29.8477, 0.3215, 0.3369



29.8477, 0.3145, 0.3373

Sweetspot

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



29.8490, 0.3040, 0.3211



57.1087, 0.3097, 0.3263



31.3360, 0.3075, 0.3353



12.9476, 0.3099, 0.3265



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.



29.8490, 0.3040, 0.3211



53.2562, 0.3020, 0.3193



28.6461, 0.3046, 0.3148



6.6228, 0.3017, 0.3190



5.3736, 0.1732, 0.1434



0.1513, 0.1953, 0.2230

Inverse Universe

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



29.2929, 0.3183, 0.3228



52.0461, 0.3196, 0.3214



31.9869, 0.3206, 0.3429



6.4674, 0.3198, 0.3212



5.9478, 0.5145, 0.2608



0.0961, 0.4200, 0.2087

Previews

White Background



This preview shows how the Yxy color 29.8477, 0.3040, 0.3211 looks on a white background.

Color Contrast Check

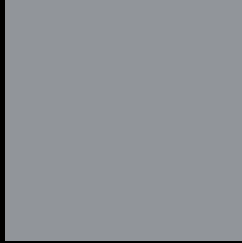
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8477, 0.3040, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

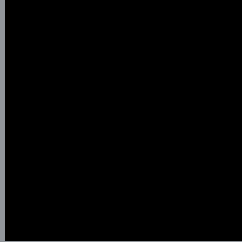
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

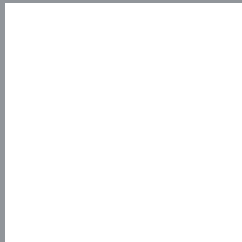
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8477, 0.3040, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 29.8477, 0.3040, 0.3211.



This preview shows how white text looks on a background with the Yxy color 29.8477, 0.3040, 0.3211.

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

29.8477, 0.3040, 0.3211

Protanopia

29.9637, 0.3100, 0.3212

Deuteranopia

29.7867, 0.3187, 0.3125



Tritanopia

29.8289, 0.2995, 0.3103

Trichromacy



Original Color

29.8477, 0.3040, 0.3211

Protanomaly

29.7756, 0.3080, 0.3212

Deuteranomaly

29.8929, 0.3134, 0.3153

Tritanomaly

29.7594, 0.3013, 0.3134

Monochromacy



Original Color

29.8477, 0.3040, 0.3211

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.5849, 0.3098, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8477, 0.3040, 0.3211 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, 149, 154)` looks like.

```
.text, #text, p{  
    color:rgb(145, 149, 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, 149, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 149, 154) }
```

Border

The CSS property to change the border of an element to Yxy 29.8477, 0.3040, 0.3211 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, 149, 154) }
```

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

```
.border{ border-color:rgb(145, 149, 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, 149, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 149, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 149, 154);  
box-shadow:4px 4px 4px 4px rgb(145, 149,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8477, 0.3040, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 149, 154) }
```

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

```
.background{ background-color: rgb(145,  
149, 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](#).

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