

Converting Colors

$Y_{xy}(29.2246, 0.3081, 0.3070)$

Have a look what the booklet for
Yxy(29.2246, 0.3081, 0.3070)
contains.

Yxy(29.1874, 0.3085, 0.3075)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.1874, 0.3085, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	99909E
RGB	153, 144, 158
RGB Percent	60%, 56%, 62%
CMY	0.4000, 0.4353, 0.3803
CMYK	0.03, 0.09, 0.00, 0.38
HSL	278°, 7%, 59%
HSV	278°, 9%, 62%
XYZ	29.2823, 29.1874, 36.4487
YIQ	148.2870, 0.8700, 6.2620

Conversions

Conversions Part 2

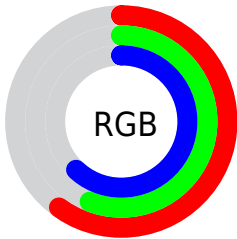
Format	Color
R _Y B	153, 144, 158
Decimal	10064030
CIE Lab	60.95, 6.03, -6.20
CIE LCh	61, 8.650, 314.191
Yxy	29.1874, 0.3085, 0.3075
Android (android.graphics.Color)	4288254110 (0xFF99909E)
YUV	148.2870, 4.7885, 4.1333
Hunter-Lab	54.0254, 2.2045, -2.1827

Details

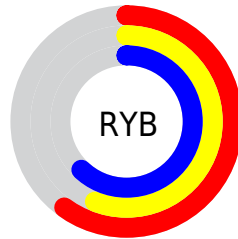
The Yxy color **29.1874, 0.3085, 0.3075** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.8684, 0.3166, 0.3508**, and the grayscale version is **29.7204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4577, 0.3089, 0.3116**, and **11.8917, 0.3065, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **24.1934, 0.3029, 0.2818**, and if you desaturate by 10%, it is **34.8802, 0.3132, 0.3316**.

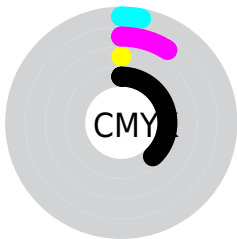
Distribution



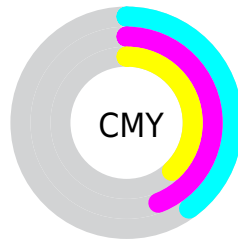
- Red (60%)
- Green (56%)
- Blue (62%)



- Red (60%)
- Yellow (56%)
- Blue (62%)



- Cyan (3%)
- Magenta (9%)
- Yellow (0%)
- Black (38%)



- Cyan (40%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1874, 0.3085, 0.3075 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 29.1874, 0.3085, 0.3075 by changing the saturation by 10% instead.

■ 29.1874, 0.3085,
0.3075

■ 29.1874, 0.3085,
0.3075

■ 298.0981, 0.3108,
0.3189

■ 19.2226, 0.3078,
0.3044

■ 58.3747, 0.3094,
0.3118

■ 11.8313, 0.3069,
0.3002

■ 78.3660, 0.3097,
0.3134

■ 6.6289, 0.3056,
0.2944

■ 102.4683, 0.3100,
0.3147

■ 3.2311, 0.3035,
0.2856

■ 131.0660, 0.3102,
0.3158

■ 1.2535, 0.2997,
0.2709

■ 164.5434, 0.3104,
0.3168

■ 0.1048, 0.2744,
0.1165

■ 203.2849, 0.3106,

■ 0.0000, 0.0000,

0.3176

0.0000

247.6751, 0.3107,
0.3183

■ 29.1874, 0.3085,
0.3075

■ 29.1874, 0.3085,
0.3075

■ 24.1934, 0.3029,
0.2818

■ 34.8802, 0.3132,
0.3316

■ 19.8663, 0.2965,
0.2549

■ 41.2945, 0.3171,
0.3539

■ 16.1775, 0.2891,
0.2274

■ 48.4564, 0.3204,
0.3743

■ 13.0947, 0.2808,
0.2003

■ 56.3899, 0.3230,
0.3928

■ 10.5827, 0.2718,
0.1747

■ 65.1177, 0.3251,
0.4095

■ 8.6025, 0.2624,
0.1517

■ 74.6614, 0.3268,
0.4245

■ 7.1102, 0.2528,
0.1324

■ 85.0422, 0.3282,
0.4380

■ 6.0545, 0.2434,
0.1177

■ 86.0422, 0.3317,
0.4370

■ 5.3314, 0.2345,
0.1071

■ 86.8288, 0.3354,
0.4357

Harmonies

Analogous

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



29.1874, 0.2956, 0.3051



29.1874, 0.3085, 0.3075



29.1874, 0.3228, 0.3153

Triad

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



29.1874, 0.3085, 0.3075



29.1874, 0.3386, 0.3488



29.1874, 0.2913, 0.3309

Complementary

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



29.1874, 0.3085, 0.3075



32.8684, 0.3166, 0.3508

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.



29.1874, 0.3024, 0.3433



29.1874, 0.3085, 0.3075



29.1874, 0.3297, 0.3537

Square

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



29.1874, 0.3085, 0.3075



29.1874, 0.3404, 0.3388



29.1874, 0.3164, 0.3518



29.1874, 0.2858, 0.3182

Rectangle

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



29.1874, 0.3085, 0.3075



29.1874, 0.3312, 0.3226



29.1874, 0.3164, 0.3518



29.1874, 0.2944, 0.3353

Sweetspot

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



29.1886, 0.3085, 0.3075



58.8391, 0.3113, 0.3217



29.9396, 0.2994, 0.3151



13.0823, 0.3110, 0.3199



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.1886, 0.3085, 0.3075



50.7533, 0.3073, 0.3016



29.6245, 0.3155, 0.3106



6.6355, 0.3083, 0.3066



4.2305, 0.2342, 0.1064



0.0987, 0.2704, 0.1263

Inverse Universe

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



29.3900, 0.3226, 0.3213



51.2157, 0.3255, 0.3192



32.4629, 0.3100, 0.3481



6.6835, 0.3231, 0.3210



6.0628, 0.5492, 0.2799



0.1161, 0.4497, 0.2251

Previews

White Background



This preview shows how the Yxy color 29.1874, 0.3085, 0.3075 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 29.1874, 0.3085, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

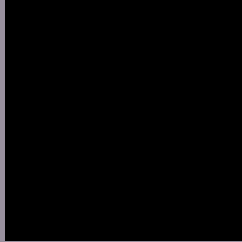
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1874, 0.3085, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 29.1874, 0.3085, 0.3075.



This preview shows how white text looks on a background with the Yxy color 29.1874, 0.3085, 0.3075.

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

29.1874, 0.3085, 0.3075

Protanopia

29.1720, 0.3004, 0.3087

Deuteranopia

29.1815, 0.3117, 0.3062



Tritanopia

29.1191, 0.3105, 0.3105

Trichromacy



Original Color

29.1874, 0.3085, 0.3075

Protanomaly

29.1436, 0.3035, 0.3073

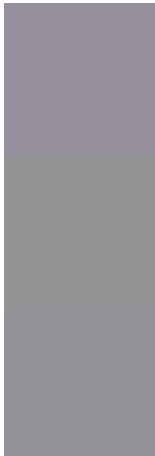
Deuteranomaly

29.0821, 0.3107, 0.3061

Tritanomaly

29.1531, 0.3095, 0.3090

Monochromacy



Original Color

29.1874, 0.3085, 0.3075

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.6185, 0.3110, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1874, 0.3085, 0.3075 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(153, 144, 158)` looks like.

```
.text, #text, p{  
    color:rgb(153, 144, 158)  
}
```

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(153, 144, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 144, 158) }
```

Border

The CSS property to change the border of an element to Yxy 29.1874, 0.3085, 0.3075 is called "border". The border property can be set on classes, ids or directly on the HTML element.

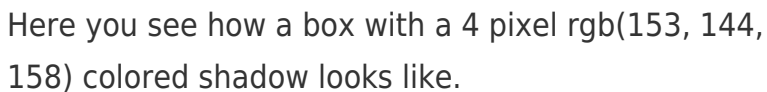
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 144, 158) }
```

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

```
.border{ border-color:rgb(153, 144, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 144, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 144, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 144, 158); box-shadow:4px 4px 4px 4px rgb(153, 144, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1874, 0.3085, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 144, 158) }
```

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

```
.background{ background-color: rgb(153,  
144, 158) }
```

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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