

Converting Colors

$Y_{xy}(29.8732, 0.3035, 0.3387)$

Have a look what the booklet for
Yxy(29.8732, 0.3035, 0.3387)
contains.

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Color

$Y_{xy}(29.8502, 0.3033, 0.3387)$

Conversions

Conversions Part 1

Format	Color
Hex	899892
RGB	137, 152, 146
RGB Percent	54%, 60%, 57%
CMY	0.4628, 0.4039, 0.4274
CMYK	0.10, 0.00, 0.04, 0.40
HSL	156°, 7%, 57%
HSV	156°, 10%, 60%
XYZ	26.7303, 29.8502, 31.5511
YIQ	146.8310, -7.0140, -5.0460

Conversions

Conversions Part 2

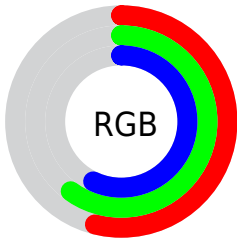
Format	Color
R_{YB}	137, 146, 152
Decimal	9017490
CIE Lab	61.52, -6.57, 1.32
CIE LCh	62, 6.703, 168.677
Yxy	29.8502, 0.3033, 0.3387
Android (android.graphics.Color)	4287207570 (0xFF899892)
YUV	146.8310, -0.4097, -8.6218
Hunter-Lab	54.6353, -8.2807, 4.0056

Details

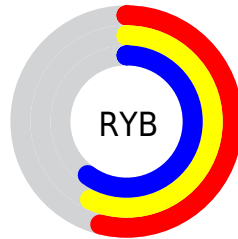
The Yxy color $29.8502, 0.3033, 0.3387$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $26.5424, 0.3232, 0.3195$, and the grayscale version is $29.1071, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.2599, 0.3049, 0.3362$, and $12.1781, 0.2994, 0.3409$ is the 20% darker color. If you saturate the color by 10%, you get $28.4725, 0.2941, 0.3496$, and if you desaturate by 10%, it is $31.4214, 0.3128, 0.3289$.

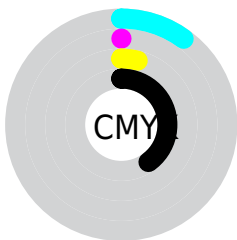
Distribution



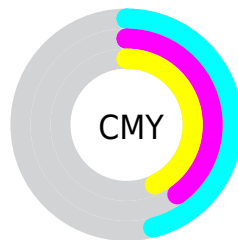
- Red (54%)
- Green (60%)
- Blue (57%)



- Red (54%)
- Yellow (57%)
- Blue (60%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (40%)





- Cyan (46%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8502, 0.3033, 0.3387 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 29.8502, 0.3033, 0.3387 by changing the saturation by 10% instead.


 29.8502, 0.3033,
0.3387


 29.8502, 0.3033,
0.3387


301.2056, 0.3084,
0.3335


 19.7249, 0.3019,
0.3402


 59.4252, 0.3052,
0.3367

 12.1952, 0.3000,
0.3421


 79.6437, 0.3059,
0.3360

 6.8768, 0.2973,
0.3449


 103.9954, 0.3065,
0.3354

 3.3852, 0.2931,
0.3493

132.8647, 0.3070,
0.3349

 1.3360, 0.2859,
0.3569

166.6359, 0.3074,
0.3344

 0.1688, 0.0000,
0.6478

205.6936, 0.3078,

 0.0000, 0.0000,

0.3341

0.0000

250.4220, 0.3081,
0.3338

■ 29.8502, 0.3033,
0.3387

■ 29.8502, 0.3033,
0.3387

■ 28.4725, 0.2941,
0.3496

■ 31.4214, 0.3128,
0.3289

■ 27.2769, 0.2854,
0.3615

■ 33.1895, 0.3224,
0.3201

■ 26.2564, 0.2776,
0.3744

■ 35.1628, 0.3320,
0.3123

■ 25.4022, 0.2709,
0.3883

■ 37.3476, 0.3414,
0.3055

■ 24.7045, 0.2656,
0.4028

■ 39.7503, 0.3505,
0.2994

■ 24.1528, 0.2619,
0.4178

■ 42.3768, 0.3593,
0.2942

■ 23.7349, 0.2602,
0.4331

■ 45.2328, 0.3677,
0.2895

■ 23.4367, 0.2604,
0.4482

■ 47.6383, 0.3725,
0.2850

■ 23.2236, 0.2620,
0.4631

■ 47.9174, 0.3665,
0.2789

Harmonies

Analogous

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



29.8502, 0.3140, 0.3457



29.8502, 0.3033, 0.3387



29.8502, 0.2952, 0.3290

Triad

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



29.8502, 0.3033, 0.3387



29.8502, 0.3009, 0.3105



29.8502, 0.3341, 0.3379

Complementary

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



29.8502, 0.3033, 0.3387



26.5424, 0.3232, 0.3195

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.



29.8502, 0.3305, 0.3286



29.8502, 0.3033, 0.3387



29.8502, 0.3112, 0.3130

Square

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



29.8502, 0.3033, 0.3387



29.8502, 0.2938, 0.3128



29.8502, 0.3220, 0.3196



29.8502, 0.3319, 0.3451

Rectangle

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



29.8502, 0.3033, 0.3387



29.8502, 0.2923, 0.3225



29.8502, 0.3220, 0.3196



29.8502, 0.3336, 0.3350

Sweetspot

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



29.8515, 0.3033, 0.3387



54.5394, 0.3098, 0.3319



30.1036, 0.3177, 0.3533



12.3467, 0.3090, 0.3326



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



29.8515, 0.3033, 0.3387



52.0838, 0.3011, 0.3412



29.5580, 0.2979, 0.3265



6.9848, 0.3039, 0.3380



19.4741, 0.2617, 0.4623



0.2983, 0.2440, 0.3982

Inverse Universe

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



26.5424, 0.3232, 0.3195



44.9738, 0.3260, 0.3172



26.7958, 0.3293, 0.3315



6.2615, 0.3224, 0.3202



5.8822, 0.5329, 0.2709



0.0948, 0.4329, 0.2158

Previews

White Background



This preview shows how the Yxy color 29.8502, 0.3033, 0.3387 looks on a white background.

Color Contrast Check

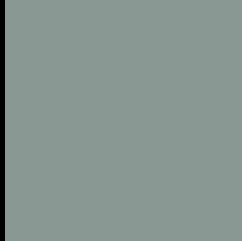
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8502, 0.3033, 0.3387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

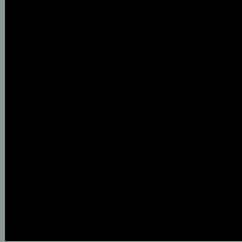
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

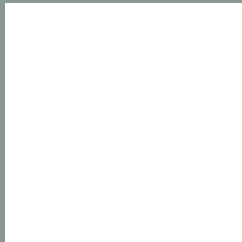
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8502, 0.3033, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 29.8502, 0.3033, 0.3387.

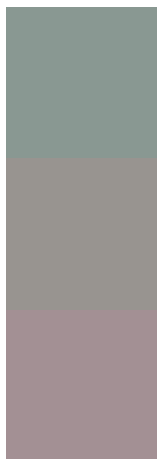


This preview shows how white text looks on a background with the Yxy color 29.8502, 0.3033, 0.3387.

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

29.8502, 0.3033, 0.3387

Protanopia

29.8688, 0.3207, 0.3353

Deuteranopia

29.8712, 0.3290, 0.3230



Tritanopia

29.9968, 0.2920, 0.3101

Trichromacy



Original Color

29.8502, 0.3033, 0.3387

Protanomaly

29.7423, 0.3145, 0.3353

Deuteranomaly

29.8440, 0.3200, 0.3290

Tritanomaly

30.0225, 0.2963, 0.3210

Monochromacy



Original Color

29.8502, 0.3033, 0.3387

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.4411, 0.3085, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8502, 0.3033, 0.3387 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(137, 152, 146)` looks like.

```
.text, #text, p{  
    color:rgb(137, 152, 146)  
}
```

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(137, 152, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 152, 146) }
```

Border

The CSS property to change the border of an element to Yxy 29.8502, 0.3033, 0.3387 is called "border". The border property can be set on classes, ids or directly on the HTML element.

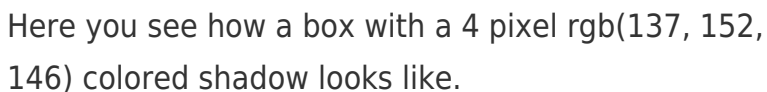
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 152, 146) }
```

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

```
.border{ border-color:rgb(137, 152, 146) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 152, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 152, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 152, 146);  
box-shadow:4px 4px 4px 4px rgb(137, 152,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8502, 0.3033, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 152, 146) }
```

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

```
.background{ background-color: rgb(137,  
152, 146) }
```

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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