

Converting Colors

$Y_{xy}(29.0432, 0.3436, 0.3830)$

Have a look what the booklet for
Yxy(29.0432, 0.3436, 0.3830)
contains.

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Color

Yxy(29.0517, 0.3440, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	949574
RGB	148, 149, 116
RGB Percent	58%, 58%, 45%
CMY	0.4195, 0.4157, 0.5452
CMYK	0.01, 0.00, 0.22, 0.42
HSL	62°, 13%, 52%
HSV	62°, 22%, 58%
XYZ	26.1139, 29.0517, 20.7469
YIQ	144.9390, 9.9970, -10.4750

Conversions

Conversions Part 2

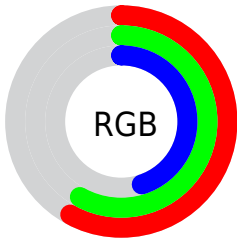
Format	Color
R_{YB}	116, 149, 117
Decimal	9737588
CIE _{Lab}	60.83, -6.10, 17.37
CIE _{LCh}	61, 18.414, 109.358
Yxy	29.0517, 0.3440, 0.3827
Android (android.graphics.Color)	4287927668 (0xFF949574)
YUV	144.9390, -14.2669, 2.6845
Hunter-Lab	53.8996, -7.8427, 14.9080

Details

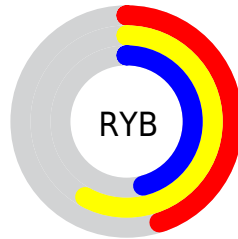
The Yxy color $29.0517, 0.3440, 0.3827$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.4346, 0.2777, 0.2694$, and the grayscale version is $28.3461, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.0956, 0.3376, 0.3716$, and $11.6941, 0.3539, 0.4003$ is the 20% darker color. If you saturate the color by 10%, you get $28.6924, 0.3581, 0.4072$, and if you desaturate by 10%, it is $29.4693, 0.3297, 0.3581$.

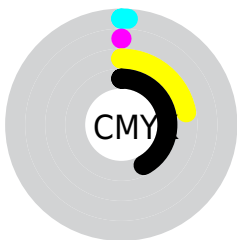
Distribution



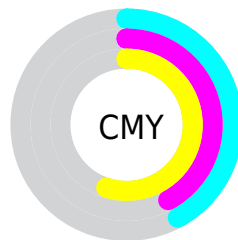
- Red (58%)
- Green (58%)
- Blue (45%)



- Red (45%)
- Yellow (58%)
- Blue (46%)



- Cyan (1%)
- Magenta (0%)
- Yellow (22%)
- Black (42%)





- Cyan (42%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0517, 0.3440, 0.3827 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 29.0517, 0.3440, 0.3827 by changing the saturation by 10% instead.


 29.0517, 0.3440,
0.3827


 29.0517, 0.3440,
0.3827


297.4588, 0.3274,
0.3534

 19.1199, 0.3484,
0.3909


 58.1592, 0.3378,
0.3714

 11.7570, 0.3543,
0.4020


 78.1038, 0.3355,
0.3674

 6.5784, 0.3622,
0.4179


 102.1547, 0.3336,
0.3640

 3.1999, 0.3735,
0.4420

130.6964, 0.3320,
0.3612

 1.2370, 0.4295,
0.5317

164.1132, 0.3306,
0.3588

 0.0916, 0.0000,
1.0000

202.7897, 0.3294,

 0.0000, 0.0000,

0.3568

0.0000

247.1101, 0.3283,
0.3550

■ 29.0517, 0.3440,
0.3827

■ 29.0517, 0.3440,
0.3827

■ 28.6924, 0.3581,
0.4072

■ 29.4693, 0.3297,
0.3581

■ 28.3850, 0.3716,
0.4307

■ 29.9439, 0.3157,
0.3341

■ 28.1279, 0.3839,
0.4524

■ 30.4790, 0.3022,
0.3111

■ 27.9178, 0.3945,
0.4713

■ 31.0769, 0.2895,
0.2894

■ 27.7515, 0.4030,
0.4867

■ 31.7397, 0.2776,
0.2693

■ 27.6248, 0.4090,
0.4982

■ 32.4693, 0.2667,
0.2509

■ 27.5330, 0.4126,
0.5054

■ 33.2676, 0.2567,
0.2340

■ 27.4758, 0.4143,
0.5093

■ 34.1365, 0.2476,
0.2187

■ 35.0777, 0.2393,
0.2049

Harmonies

Analogous

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



29.0517, 0.3656, 0.3730



29.0517, 0.3440, 0.3827



29.0517, 0.3147, 0.3768

Triad

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



29.0517, 0.3440, 0.3827



29.0517, 0.2561, 0.3010



29.0517, 0.3389, 0.3040

Complementary

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



29.0517, 0.3440, 0.3827



18.4346, 0.2777, 0.2694

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.



29.0517, 0.3085, 0.2867



29.0517, 0.3440, 0.3827



29.0517, 0.2618, 0.2841

Square

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



29.0517, 0.3440, 0.3827



29.0517, 0.2647, 0.3273



29.0517, 0.2805, 0.2793



29.0517, 0.3629, 0.3275

Rectangle

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



29.0517, 0.3440, 0.3827



29.0517, 0.2948, 0.3641



29.0517, 0.2805, 0.2793



29.0517, 0.3290, 0.2973

Sweetspot

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



29.0530, 0.3440, 0.3827



53.1891, 0.3226, 0.3459



20.2628, 0.3560, 0.3301



11.7780, 0.3233, 0.3472



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.



29.0530, 0.3440, 0.3827



51.6703, 0.3517, 0.3959



27.6559, 0.3265, 0.3858



6.7360, 0.3255, 0.3509



23.1271, 0.4143, 0.5093



0.2853, 0.4170, 0.5071

Inverse Universe

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



18.4346, 0.2777, 0.2694



28.9181, 0.2677, 0.2527



19.6452, 0.2961, 0.2725



5.6407, 0.2993, 0.3062



1.8527, 0.1513, 0.0607



0.0243, 0.1577, 0.0642

Previews

White Background



This preview shows how the Yxy color 29.0517, 0.3440, 0.3827 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 29.0517, 0.3440, 0.3827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

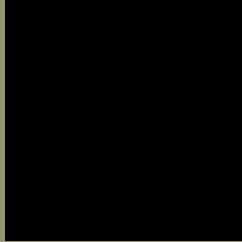
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

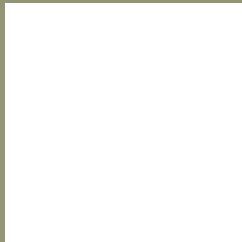
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.0517, 0.3440, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 29.0517, 0.3440, 0.3827.



This preview shows how white text looks on a background with the Yxy color 29.0517, 0.3440, 0.3827.

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

29.0517, 0.3440, 0.3827

Protanopia

28.8635, 0.3549, 0.3782

Deuteranopia

29.0157, 0.3709, 0.3637



Tritanopia

29.0854, 0.3114, 0.3121

Trichromacy



Original Color

29.0517, 0.3440, 0.3827

Protanomaly

28.8775, 0.3512, 0.3803

Deuteranomaly

29.0174, 0.3615, 0.3709

Tritanomaly

29.0602, 0.3229, 0.3369

Monochromacy



Original Color

29.0517, 0.3440, 0.3827

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.3900, 0.3245, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0517, 0.3440, 0.3827 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(148, 149, 116)` looks like.

```
.text, #text, p{  
    color:rgb(148, 149, 116)  
}
```

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(148, 149, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 149, 116) }
```

Border

The CSS property to change the border of an element to Yxy 29.0517, 0.3440, 0.3827 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(148, 149, 116) }
```

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

```
.border{ border-color:rgb(148, 149, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 149, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 149, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 149, 116);  
box-shadow:4px 4px 4px 4px rgb(148, 149,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0517, 0.3440, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 149, 116) }
```

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

```
.background{ background-color: rgb(148,  
149, 116) }
```

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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