

Converting Colors

$Y_{xy}(29.0019, 0.3386, 0.3603)$

Have a look what the booklet for
Yxy(29.0019, 0.3386, 0.3603)
contains.

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Color

Yxy(29.1720, 0.3390, 0.3609)

Conversions

Conversions Part 1

Format	Color
Hex	99937F
RGB	153, 147, 127
RGB Percent	60%, 58%, 50%
CMY	0.4000, 0.4235, 0.5020
CMYK	0.00, 0.04, 0.17, 0.40
HSL	46°, 11%, 55%
HSV	46°, 17%, 60%
XYZ	27.4018, 29.1720, 24.2575
YIQ	146.5140, 9.9960, -4.9480

Conversions

Conversions Part 2

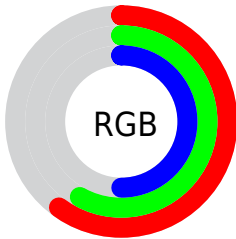
Format	Color
R_{YB}	135, 153, 127
Decimal	10064767
CIE Lab	60.93, -1.30, 11.40
CIE LCh	61, 11.474, 96.516
Yxy	29.1720, 0.3390, 0.3609
Android (android.graphics.Color)	4288254847 (0xFF99937F)
YUV	146.5140, -9.6204, 5.6882
Hunter-Lab	54.0111, -3.9599, 11.1795

Details

The Yxy color $29.1720, 0.3390, 0.3609$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $23.5827, 0.2862, 0.2949$, and the grayscale version is $29.0045, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.3340, 0.3330, 0.3541$, and $11.9242, 0.3480, 0.3729$ is the 20% darker color. If you saturate the color by 10%, you get $27.7223, 0.3559, 0.3804$, and if you desaturate by 10%, it is $30.7186, 0.3231, 0.3419$.

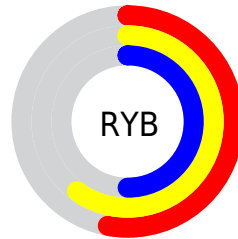
Distribution



Red (60%)

Green (58%)

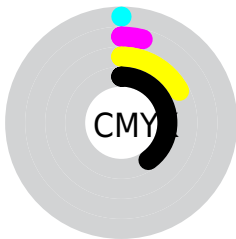
Blue (50%)



Red (53%)

Yellow (60%)

Blue (50%)

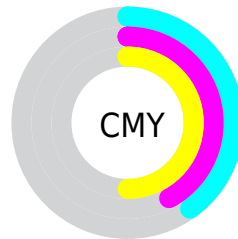


Cyan (0%)

Magenta (4%)

Yellow (17%)

Black (40%)



Cyan (40%)


Magenta (42%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1720, 0.3390, 0.3609 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 29.1720, 0.3390, 0.3609 by changing the saturation by 10% instead.


 29.1720, 0.3390,
0.3609


 29.1720, 0.3390,
0.3609


298.0256, 0.3249,
0.3437

 19.2110, 0.3429,
0.3657


 58.3502, 0.3336,
0.3543

 11.8228, 0.3481,
0.3721

 78.3363, 0.3317,
0.3519

 6.6231, 0.3555,
0.3813


 102.4327, 0.3301,
0.3500

 3.2276, 0.3666,
0.3953

131.0240, 0.3287,
0.3483

 1.2517, 0.3935,
0.4283

164.4946, 0.3275,
0.3469

 0.1033, 0.3913,
0.6087

203.2288, 0.3265,

 0.0000, 0.0000,

0.3457

0.0000

247.6110, 0.3256,
0.3446

■ 29.1720, 0.3390,
0.3609

■ 29.1720, 0.3390,
0.3609

■ 27.7223, 0.3559,
0.3804

■ 30.7186, 0.3231,
0.3419

■ 26.3627, 0.3736,
0.3998

■ 32.3610, 0.3085,
0.3237

■ 25.0911, 0.3916,
0.4183

■ 34.1034, 0.2951,
0.3065

■ 23.9042, 0.4093,
0.4351

■ 35.9482, 0.2829,
0.2905

■ 22.7980, 0.4260,
0.4492

■ 37.8979, 0.2720,
0.2758

■ 21.7682, 0.4410,
0.4597

■ 39.9548, 0.2621,
0.2622

■ 20.8101, 0.4535,
0.4658

■ 42.1213, 0.2533,
0.2498

■ 19.9158, 0.4634,
0.4677

■ 44.3994, 0.2454,
0.2385

■ 19.6568, 0.4662,
0.4680

■ 46.1515, 0.2431,
0.2374

Harmonies

Analogous

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



29.1720, 0.3487, 0.3521



29.1720, 0.3390, 0.3609



29.1720, 0.3224, 0.3610

Triad

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



29.1720, 0.3390, 0.3609



29.1720, 0.2782, 0.3186



29.1720, 0.3213, 0.3078

Complementary

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



29.1720, 0.3390, 0.3609



23.5827, 0.2862, 0.2949

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.



29.1720, 0.3023, 0.2992



29.1720, 0.3390, 0.3609



29.1720, 0.2779, 0.3048

Square

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



29.1720, 0.3390, 0.3609



29.1720, 0.2875, 0.3359



29.1720, 0.2866, 0.2980



29.1720, 0.3383, 0.3216

Rectangle

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



29.1720, 0.3390, 0.3609



29.1720, 0.3097, 0.3558



29.1720, 0.2866, 0.2980



29.1720, 0.3149, 0.3042

Sweetspot

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



29.1733, 0.3390, 0.3609



55.5535, 0.3202, 0.3383



23.6416, 0.3371, 0.3192



12.2259, 0.3212, 0.3395



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.



29.1733, 0.3390, 0.3609



51.3399, 0.3446, 0.3675



30.4356, 0.3302, 0.3710



6.9810, 0.3265, 0.3460



16.2951, 0.4658, 0.4684



0.2966, 0.4418, 0.4874

Inverse Universe

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



23.5827, 0.2862, 0.2949



39.6197, 0.2805, 0.2874



22.5353, 0.2933, 0.2854



6.2463, 0.2988, 0.3114



2.9544, 0.1579, 0.0884



0.0923, 0.1776, 0.1591

Previews

White Background



This preview shows how the Yxy color 29.1720, 0.3390, 0.3609 looks on a white background.

Color Contrast Check

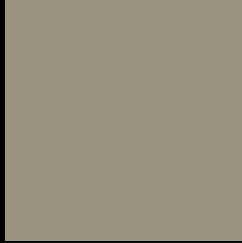
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1720, 0.3390, 0.3609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

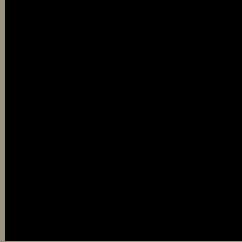
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

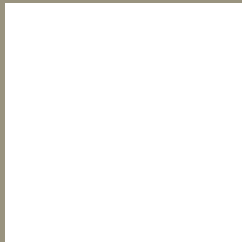
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.1720, 0.3390, 0.3609

Background



This preview shows how black text looks on a background with the Yxy color 29.1720, 0.3390, 0.3609.



This preview shows how white text looks on a background with the Yxy color 29.1720, 0.3390, 0.3609.

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

29.1720, 0.3390, 0.3609

Protanopia

29.2698, 0.3401, 0.3608

Deuteranopia

29.2293, 0.3561, 0.3503



Tritanopia

29.1461, 0.3167, 0.3122

Trichromacy



Original Color

29.1720, 0.3390, 0.3609

Protanomaly

29.2698, 0.3401, 0.3608

Deuteranomaly

29.2916, 0.3499, 0.3537

Tritanomaly

29.0281, 0.3255, 0.3290

Monochromacy



Original Color

29.1720, 0.3390, 0.3609

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.1504, 0.3216, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1720, 0.3390, 0.3609 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, 147, 127)` looks like.

```
.text, #text, p{  
    color:rgb(153, 147, 127)  
}
```

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, 147, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 147, 127) }
```

Border

The CSS property to change the border of an element to Yxy 29.1720, 0.3390, 0.3609 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, 147, 127) }
```

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

```
.border{ border-color:rgb(153, 147, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 147, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 147, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 147, 127);  
box-shadow:4px 4px 4px 4px rgb(153, 147,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1720, 0.3390, 0.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 147, 127) }
```

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

```
.background{ background-color: rgb(153,  
147, 127) }
```

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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