

Converting Colors

$Y_{xy}(29.9100, 0.3369, 0.3700)$

Have a look what the booklet for
Yxy(29.9100, 0.3369, 0.3700)
contains.

Yxy(29.7774, 0.3370, 0.3691)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.7774, 0.3370, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	96967D
RGB	150, 150, 125
RGB Percent	59%, 59%, 49%
CMY	0.4117, 0.4118, 0.5099
CMYK	0.00, 0.00, 0.17, 0.41
HSL	60°, 11%, 54%
HSV	60°, 17%, 59%
XYZ	27.1877, 29.7774, 23.7106
YIQ	147.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

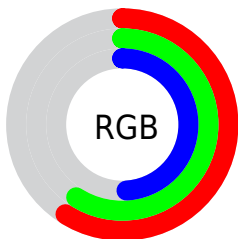
Format	Color
R_{YB}	125, 150, 125
Decimal	9868925
CIE _{Lab}	61.46, -4.44, 13.23
CIE _{LCh}	61, 13.955, 108.563
Yxy	29.7774, 0.3370, 0.3691
Android (android.graphics.Color)	4288059005 (0xFF96967D)
YUV	147.1500, -10.9200, 2.4994
Hunter-Lab	54.5687, -6.5613, 12.4360

Details

The Yxy color $29.7774, 0.3370, 0.3691$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $21.2302, 0.2864, 0.2855$, and the grayscale version is $29.2877, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.2375, 0.3316, 0.3602$, and $12.0981, 0.3452, 0.3828$ is the 20% darker color. If you saturate the color by 10%, you get $29.4194, 0.3518, 0.3935$, and if you desaturate by 10%, it is $30.1959, 0.3223, 0.3448$.

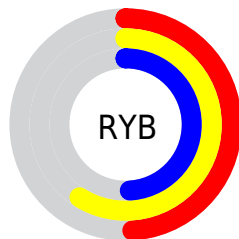
Distribution



Red (59%)

Green (59%)

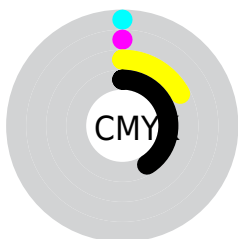
Blue (49%)



Red (49%)

Yellow (59%)

Blue (49%)

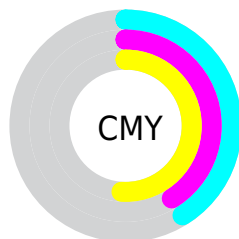


Cyan (0%)

Magenta (0%)

Yellow (17%)

Black (41%)



Cyan (41%)


Magenta (41%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7774, 0.3370, 0.3691 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 29.7774, 0.3370, 0.3691 by changing the saturation by 10% instead.


 29.7774, 0.3370,
0.3691


 29.7774, 0.3370,
0.3691


300.8655, 0.3241,
0.3473

 19.6697, 0.3405,
0.3752


 59.3100, 0.3321,
0.3607

 12.1552, 0.3451,
0.3834


 79.5036, 0.3303,
0.3578

 6.8494, 0.3515,
0.3950


 103.8280, 0.3289,
0.3553

 3.3681, 0.3610,
0.4129

132.6676, 0.3276,
0.3532

 1.3268, 0.3867,
0.4563

166.4068, 0.3265,
0.3514

 0.1618, 0.2189,
0.7811

205.4299, 0.3256,

 0.0000, 0.0000,

0.3499

0.0000

250.1213, 0.3248,
0.3485

■ 29.7774, 0.3370,
0.3691

■ 29.7774, 0.3370,
0.3691

■ 29.4194, 0.3518,
0.3935

■ 30.1959, 0.3223,
0.3448

■ 29.1155, 0.3662,
0.4174

■ 30.6735, 0.3081,
0.3213

■ 28.8641, 0.3798,
0.4398

■ 31.2136, 0.2946,
0.2990

■ 28.6622, 0.3919,
0.4598

■ 31.8186, 0.2819,
0.2781

■ 28.5064, 0.4022,
0.4766

■ 32.4904, 0.2702,
0.2588

■ 28.3932, 0.4101,
0.4897

■ 33.2311, 0.2595,
0.2411

■ 28.3180, 0.4155,
0.4986

■ 34.0425, 0.2498,
0.2250

■ 28.2740, 0.4186,
0.5037

■ 34.9265, 0.2410,
0.2105

■ 28.2617, 0.4195,
0.5051

■ 35.5583, 0.2356,
0.2016

Harmonies

Analogous

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



29.7774, 0.3528, 0.3621



29.7774, 0.3370, 0.3691



29.7774, 0.3150, 0.3647

Triad

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



29.7774, 0.3370, 0.3691



29.7774, 0.2698, 0.3087



29.7774, 0.3319, 0.3096

Complementary

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



29.7774, 0.3370, 0.3691



21.2302, 0.2864, 0.2855

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.



29.7774, 0.3091, 0.2964



29.7774, 0.3370, 0.3691



29.7774, 0.2738, 0.2953

Square

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



29.7774, 0.3370, 0.3691



29.7774, 0.2767, 0.3286



29.7774, 0.2879, 0.2912



29.7774, 0.3500, 0.3277

Rectangle

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



29.7774, 0.3370, 0.3691



29.7774, 0.3000, 0.3555



29.7774, 0.2879, 0.2912



29.7774, 0.3245, 0.3045

Sweetspot

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



29.7787, 0.3370, 0.3691



53.3988, 0.3200, 0.3410



22.6400, 0.3429, 0.3284



11.8226, 0.3209, 0.3425



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.



29.7787, 0.3370, 0.3691



52.2895, 0.3425, 0.3782



28.6964, 0.3241, 0.3708



6.7438, 0.3260, 0.3509



23.4324, 0.4195, 0.5051



0.2870, 0.4194, 0.5052

Inverse Universe

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



21.2302, 0.2864, 0.2855



34.3265, 0.2798, 0.2746



22.1912, 0.2998, 0.2871



5.6338, 0.2989, 0.3062



1.8291, 0.1500, 0.0601



0.0226, 0.1502, 0.0605

Previews

White Background



This preview shows how the Yxy color 29.7774, 0.3370, 0.3691 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 29.7774, 0.3370, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

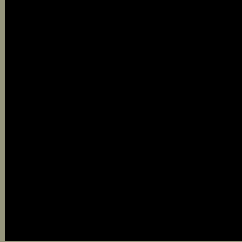
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

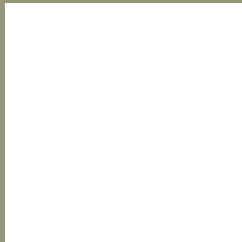
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.7774, 0.3370, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 29.7774, 0.3370, 0.3691.



This preview shows how white text looks on a background with the Yxy color 29.7774, 0.3370, 0.3691.

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

29.7774, 0.3370, 0.3691

Protanopia

29.7030, 0.3450, 0.3668

Deuteranopia

29.6973, 0.3602, 0.3546



Tritanopia

29.8621, 0.3104, 0.3122

Trichromacy



Original Color

29.7774, 0.3370, 0.3691

Protanomaly

29.8202, 0.3426, 0.3686

Deuteranomaly

29.8507, 0.3513, 0.3598

Tritanomaly

29.6841, 0.3209, 0.3321

Monochromacy



Original Color

29.7774, 0.3370, 0.3691

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.3398, 0.3214, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7774, 0.3370, 0.3691 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(150, 150, 125)` looks like.

```
.text, #text, p{  
    color:rgb(150, 150, 125)  
}
```

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(150, 150, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 150, 125) }
```

Border

The CSS property to change the border of an element to Yxy 29.7774, 0.3370, 0.3691 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(150, 150, 125) }
```

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

```
.border{ border-color:rgb(150, 150, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 150, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 150, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 150, 125); box-shadow:4px 4px 4px 4px rgb(150, 150, 125) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7774, 0.3370, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 150, 125) }
```

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

```
.background{ background-color: rgb(150,  
150, 125) }
```

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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