

Converting Colors

$Y_{xy}(30.1255, 0.3324, 0.3410)$

Have a look what the booklet for
Yxy(30.1255, 0.3324, 0.3410)
contains.

Yxy(30.1024, 0.3333, 0.3414)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.1024, 0.3333, 0.3414)

Conversions

Conversions Part 1

Format	Color
Hex	9F938B
RGB	159, 147, 139
RGB Percent	62%, 58%, 55%
CMY	0.3765, 0.4235, 0.4549
CMYK	0.00, 0.08, 0.13, 0.38
HSL	24°, 9%, 58%
HSV	24°, 13%, 62%
XYZ	29.3882, 30.1024, 28.6828
YIQ	149.6760, 9.7200, 0.0560

Conversions

Conversions Part 2

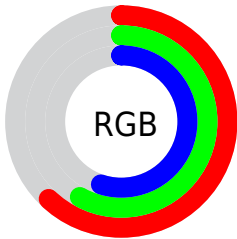
Format	Color
R_{YB}	159, 152, 139
Decimal	10457995
CIE _{Lab}	61.74, 3.01, 5.83
CIE _{LCh}	62, 6.559, 62.729
Yxy	30.1024, 0.3333, 0.3414
Android (android.graphics.Color)	4288648075 (0xFF9F938B)
YUV	149.6760, -5.2633, 8.1771
Hunter-Lab	54.8657, -0.4033, 7.4102

Details

The Yxy color **30.1024, 0.3333, 0.3414** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **30.1099, 0.2937, 0.3163**, and the grayscale version is **30.3738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8752, 0.3296, 0.3395**, and **12.2128, 0.3400, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **26.8333, 0.3526, 0.3519**, and if you desaturate by 10%, it is **33.6867, 0.3166, 0.3315**.

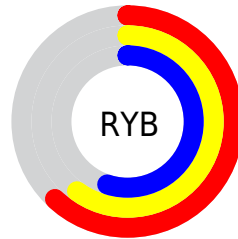
Distribution



Red (62%)

Green (58%)

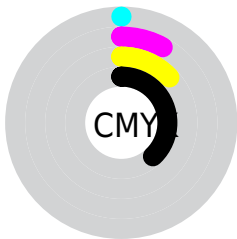
Blue (55%)



Red (62%)

Yellow (60%)

Blue (55%)

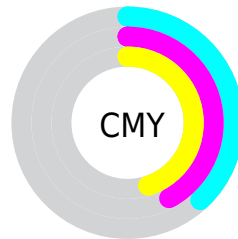


Cyan (0%)

Magenta (8%)

Yellow (13%)

Black (38%)



Cyan (38%)

Magenta (42%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1024, 0.3333, 0.3414 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 30.1024, 0.3333, 0.3414 by changing the saturation by 10% instead.

■ 30.1024, 0.3333,
0.3414

■ 30.1024, 0.3333,
0.3414

■ 302.3815, 0.3222,
0.3348

■ 19.9163, 0.3364,
0.3432

■ 59.8241, 0.3291,
0.3389

■ 12.3342, 0.3405,
0.3456

■ 80.1285, 0.3275,
0.3380

■ 6.9717, 0.3464,
0.3489

■ 104.5744, 0.3263,
0.3373

■ 3.4444, 0.3554,
0.3539

■ 133.5463, 0.3252,
0.3366

■ 1.3679, 0.3708,
0.3622

■ 167.4286, 0.3243,
0.3361

■ 0.1929, 0.5710,
0.4290

■ 206.6056, 0.3235,

■ 0.0000, 0.0000,

0.3356

0.0000

251.4618, 0.3228,
0.3352

■ 30.1024, 0.3333,
0.3414

■ 30.1024, 0.3333,
0.3414

■ 26.8333, 0.3526,
0.3519

■ 33.6867, 0.3166,
0.3315

■ 23.8667, 0.3749,
0.3627

■ 37.5905, 0.3023,
0.3222

■ 21.1945, 0.4003,
0.3733

■ 41.8234, 0.2900,
0.3136

■ 18.8070, 0.4285,
0.3831

■ 46.3932, 0.2794,
0.3057

■ 16.6940, 0.4591,
0.3911

■ 51.3072, 0.2702,
0.2985

■ 14.8442, 0.4907,
0.3961

■ 56.5728, 0.2623,
0.2920

■ 13.2456, 0.5215,
0.3970

■ 62.1971, 0.2554,
0.2860

■ 11.8849, 0.5489,
0.3929

■ 67.4461, 0.2547,
0.2923

■ 11.0135, 0.5674,
0.3877

■ 72.6805, 0.2564,
0.3035

Harmonies

Analogous

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



30.1024, 0.3324, 0.3330



30.1024, 0.3333, 0.3414



30.1024, 0.3286, 0.3467

Triad

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



30.1024, 0.3333, 0.3414



30.1024, 0.2994, 0.3342



30.1024, 0.3056, 0.3115

Complementary

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



30.1024, 0.3333, 0.3414



30.1099, 0.2937, 0.3163

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.



30.1024, 0.2970, 0.3116



30.1024, 0.3333, 0.3414



30.1024, 0.2934, 0.3245

Square

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



30.1024, 0.3333, 0.3414



30.1024, 0.3089, 0.3426



30.1024, 0.2925, 0.3162



30.1024, 0.3163, 0.3160

Rectangle

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



30.1024, 0.3333, 0.3414



30.1024, 0.3229, 0.3476



30.1024, 0.2925, 0.3162



30.1024, 0.3024, 0.3110

Sweetspot

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



30.1037, 0.3333, 0.3414



59.3465, 0.3190, 0.3329



28.0647, 0.3223, 0.3107



13.2723, 0.3201, 0.3336



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.



30.1037, 0.3333, 0.3414



52.2853, 0.3383, 0.3442



33.3401, 0.3314, 0.3563



7.0613, 0.3275, 0.3380



8.7788, 0.5658, 0.3889



0.2374, 0.4995, 0.4416

Inverse Universe

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



30.1099, 0.2937, 0.3163



52.2979, 0.2896, 0.3133



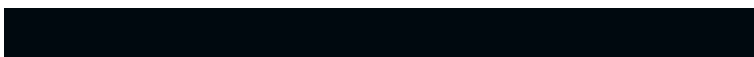
27.0367, 0.2934, 0.3001



7.0623, 0.2988, 0.3198



8.5516, 0.1874, 0.1948



0.2342, 0.2040, 0.2544

Previews

White Background



This preview shows how the Yxy color 30.1024, 0.3333, 0.3414 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.1024, 0.3333, 0.3414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

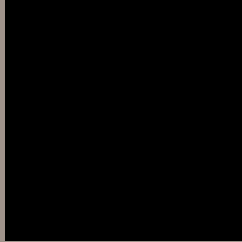
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1024, 0.3333, 0.3414

Background



This preview shows how black text looks on a background with the Yxy color 30.1024, 0.3333, 0.3414.



This preview shows how white text looks on a background with the Yxy color 30.1024, 0.3333, 0.3414.

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

30.1024, 0.3333, 0.3414

Protanopia

30.2584, 0.3266, 0.3431

Deuteranopia

30.0555, 0.3416, 0.3351



Tritanopia

29.9239, 0.3188, 0.3110

Trichromacy



Original Color

30.1024, 0.3333, 0.3414

Protanomaly

30.1412, 0.3289, 0.3415

Deuteranomaly

30.0368, 0.3381, 0.3366

Tritanomaly

29.9264, 0.3236, 0.3215

Monochromacy



Original Color

30.1024, 0.3333, 0.3414

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.3425, 0.3197, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1024, 0.3333, 0.3414 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(159, 147, 139)` looks like.

```
.text, #text, p{  
    color:rgb(159, 147, 139)  
}
```

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(159, 147, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 147, 139) }
```

Border

The CSS property to change the border of an element to Yxy 30.1024, 0.3333, 0.3414 is called "border". The border property can be set on classes, ids or directly on the HTML element.

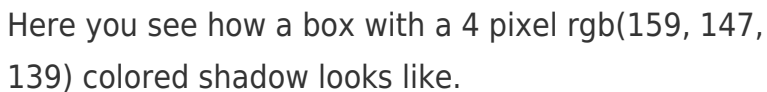
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 147, 139) }
```

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

```
.border{ border-color:rgb(159, 147, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 147, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 147, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 147, 139); box-shadow:4px 4px 4px 4px rgb(159, 147, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1024, 0.3333, 0.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 147, 139) }
```

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

```
.background{ background-color: rgb(159,  
147, 139) }
```

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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