

Converting Colors

$Y_{xy}(23.9628, 0.3199, 0.3404)$

Have a look what the booklet for
Yxy(23.9628, 0.3199, 0.3404)
contains.

Yxy(24.0374, 0.3201, 0.3411)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0374, 0.3201, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	878780
RGB	135, 135, 128
RGB Percent	53%, 53%, 50%
CMY	0.4704, 0.4706, 0.4980
CMYK	0.00, 0.00, 0.05, 0.47
HSL	60°, 3%, 52%
HSV	60°, 5%, 53%
XYZ	22.5575, 24.0374, 23.8753
YIQ	134.2020, 2.2470, -2.1770

Conversions

Conversions Part 2

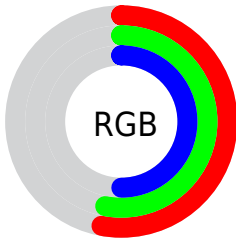
Format	Color
RYB	128, 135, 128
Decimal	8882048
CIELab	56.13, -1.32, 3.75
CIELCh	56, 3.975, 109.360
Yxy	24.0374, 0.3201, 0.3411
Android (android.graphics.Color)	4287072128 (0xFF878780)
YUV	134.2020, -3.0576, 0.6998
Hunter-Lab	49.0280, -3.6719, 5.4469

Details

The Yxy color $24.0374, 0.3201, 0.3411$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $21.7950, 0.3052, 0.3166$, and the grayscale version is $23.9320, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.9940, 0.3181, 0.3379$, and $8.9928, 0.3222, 0.3447$ is the 20% darker color. If you saturate the color by 10%, you get $23.6771, 0.3346, 0.3649$, and if you desaturate by 10%, it is $24.4472, 0.3061, 0.3181$.

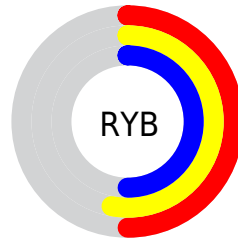
Distribution



Red (53%)

Green (53%)

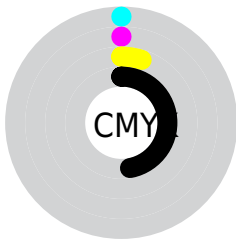
Blue (50%)



Red (50%)

Yellow (53%)

Blue (50%)

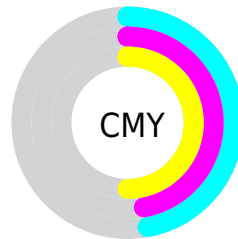


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0374, 0.3201, 0.3411 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 24.0374, 0.3201, 0.3411 by changing the saturation by 10% instead.

■ 24.0374, 0.3201,
0.3411

■ 24.0374, 0.3201,
0.3411

■ 273.0095, 0.3160,
0.3344

■ 15.3614, 0.3213,
0.3431

■ 50.0912, 0.3185,
0.3385

■ 9.0734, 0.3229,
0.3458

■ 68.2378, 0.3179,
0.3375

■ 4.7891, 0.3253,
0.3498

■ 90.3100, 0.3175,
0.3368

■ 2.1240, 0.3292,
0.3564

■ 116.6923, 0.3171,
0.3361

■ 0.6781, 0.3466,
0.3838

■ 147.7690, 0.3168,
0.3356

■ 0.0000, 0.0000,
0.0000

183.9245, 0.3165,

0.3351

225.5432, 0.3162,
0.3347

■ 24.0374, 0.3201,
0.3411

■ 24.0374, 0.3201,
0.3411

■ 23.6771, 0.3346,
0.3649

■ 24.4472, 0.3061,
0.3181

■ 23.3612, 0.3494,
0.3890

■ 24.9051, 0.2928,
0.2963

■ 23.0888, 0.3638,
0.4126

■ 25.4137, 0.2804,
0.2760

■ 22.8579, 0.3776,
0.4351

■ 25.9748, 0.2690,
0.2572

■ 22.6660, 0.3901,
0.4553

■ 26.5897, 0.2585,
0.2400

■ 22.5108, 0.4008,
0.4727

■ 27.2599, 0.2490,
0.2243

■ 22.3893, 0.4093,
0.4864

■ 27.9869, 0.2404,
0.2101

■ 22.2983, 0.4154,
0.4961

■ 28.7720, 0.2326,
0.1973

■ 22.2333, 0.4191,
0.5019

■ 29.6165, 0.2256,
0.1857

Harmonies

Analogous

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



24.0374, 0.3249, 0.3394



24.0374, 0.3201, 0.3411



24.0374, 0.3134, 0.3395

Triad

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



24.0374, 0.3201, 0.3411



24.0374, 0.2993, 0.3229



24.0374, 0.3188, 0.3231

Complementary

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



24.0374, 0.3201, 0.3411



21.7950, 0.3052, 0.3166

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.



24.0374, 0.3119, 0.3188



24.0374, 0.3201, 0.3411



24.0374, 0.3007, 0.3186

Square

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



24.0374, 0.3201, 0.3411



24.0374, 0.3014, 0.3289



24.0374, 0.3053, 0.3172



24.0374, 0.3241, 0.3290

Rectangle

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



24.0374, 0.3201, 0.3411



24.0374, 0.3088, 0.3368



24.0374, 0.3053, 0.3172



24.0374, 0.3166, 0.3214

Sweetspot

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



24.0384, 0.3201, 0.3411



43.2398, 0.3156, 0.3337



22.1569, 0.3209, 0.3288



10.0161, 0.3154, 0.3334



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



24.0384, 0.3201, 0.3411



42.9544, 0.3214, 0.3433



23.7759, 0.3162, 0.3413



5.4401, 0.3218, 0.3438



20.4625, 0.4206, 0.5042



0.0714, 0.4199, 0.5048

Inverse Universe

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



21.7950, 0.3052, 0.3166



38.2559, 0.3038, 0.3143



22.0490, 0.3091, 0.3167



4.8222, 0.3034, 0.3137



1.6348, 0.1502, 0.0607



0.0060, 0.1512, 0.0641

Previews

White Background



This preview shows how the Yxy color 24.0374, 0.3201, 0.3411 looks on a white background.

Color Contrast Check

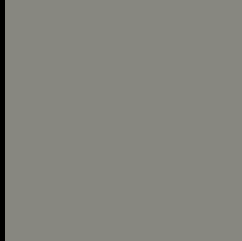
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0374, 0.3201, 0.3411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

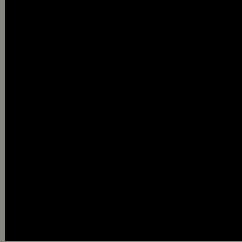
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

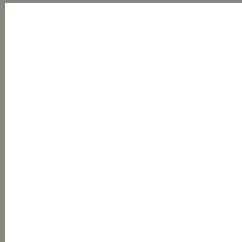
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.0374, 0.3201, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 24.0374, 0.3201, 0.3411.



This preview shows how white text looks on a background with the Yxy color 24.0374, 0.3201, 0.3411.

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

24.0374, 0.3201, 0.3411

Protanopia

24.0715, 0.3259, 0.3410

Deuteranopia

23.9398, 0.3362, 0.3307



Tritanopia

24.0766, 0.3068, 0.3122

Trichromacy



Original Color

24.0374, 0.3201, 0.3411

Protanomaly

23.9858, 0.3247, 0.3411

Deuteranomaly

24.0168, 0.3299, 0.3341

Tritanomaly

24.1194, 0.3108, 0.3222

Monochromacy



Original Color

24.0374, 0.3201, 0.3411

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.7845, 0.3148, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0374, 0.3201, 0.3411 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(135, 135, 128)` looks like.

```
.text, #text, p{  
    color:rgb(135, 135, 128)  
}
```

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(135, 135, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 135, 128) }
```

Border

The CSS property to change the border of an element to Yxy 24.0374, 0.3201, 0.3411 is called "border". The border property can be set on classes, ids or directly on the HTML element.

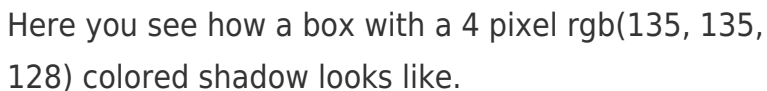
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 135, 128) }
```

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

```
.border{ border-color:rgb(135, 135, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 135, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 135, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 135, 128); box-shadow:4px 4px 4px 4px rgb(135, 135, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0374, 0.3201, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 135, 128) }
```

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

```
.background{ background-color: rgb(135,  
135, 128) }
```

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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