

Converting Colors

$Y_{xy}(23.7857, 0.3336, 0.3341)$

Have a look what the booklet for
Yxy(23.7857, 0.3336, 0.3341)
contains.

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Color

Yxy(23.9021, 0.3336, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	928380
RGB	146, 131, 128
RGB Percent	57%, 51%, 50%
CMY	0.4274, 0.4863, 0.4981
CMYK	0.00, 0.10, 0.12, 0.43
HSL	10°, 8%, 54%
HSV	10°, 12%, 57%
XYZ	23.8663, 23.9021, 23.7733
YIQ	135.1430, 9.9030, 2.2470

Conversions

Conversions Part 2

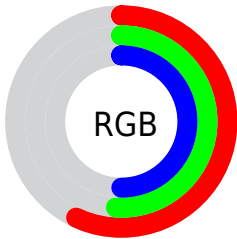
Format	Color
R_{YB}	146, 132, 128
Decimal	9601920
CIE _{Lab}	55.99, 5.14, 3.69
CIE _{LCh}	56, 6.328, 35.656
Yxy	23.9021, 0.3336, 0.3341
Android (android.graphics.Color)	4287792000 (0xFF928380)
YUV	135.1430, -3.5215, 9.5216
Hunter-Lab	48.8898, 1.5805, 5.3923

Details

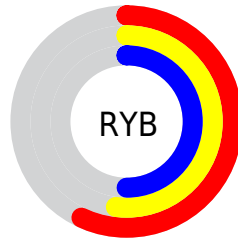
The Yxy color **23.9021, 0.3336, 0.3341** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.3049, 0.2944, 0.3238**, and the grayscale version is **24.2953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8965, 0.3288, 0.3328**, and **9.0320, 0.3409, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **20.4697, 0.3545, 0.3385**, and if you desaturate by 10%, it is **27.7751, 0.3163, 0.3299**.

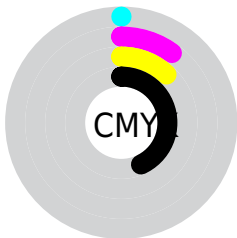
Distribution



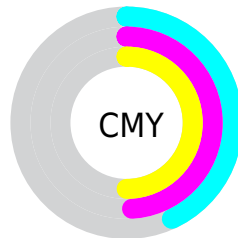
- Red (57%)
- Green (51%)
- Blue (50%)



- Red (57%)
- Yellow (52%)
- Blue (50%)



- Cyan (0%)
- Magenta (10%)
- Yellow (12%)
- Black (43%)





- Cyan (43%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9021, 0.3336, 0.3341 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 23.9021, 0.3336, 0.3341 by changing the saturation by 10% instead.


 23.9021, 0.3336,
0.3341

 23.9021, 0.3336,
0.3341


272.3252, 0.3220,
0.3314


 15.2610, 0.3370,
0.3349


 49.8704, 0.3290,
0.3331

 9.0028, 0.3417,
0.3359


 67.9664, 0.3274,
0.3327

 4.7430, 0.3487,
0.3373

 89.9828, 0.3261,
0.3324

 2.0973, 0.3601,
0.3395

116.3041, 0.3250,
0.3321

 0.6631, 0.4014,
0.3522

147.3145, 0.3241,
0.3319

 0.0000, 0.0000,
0.0000

183.3986, 0.3233,

0.3317

224.9407, 0.3226,
0.3315

■ 23.9021, 0.3336,
0.3341

■ 23.9021, 0.3336,
0.3341

■ 20.4697, 0.3545,
0.3385

■ 27.7751, 0.3163,
0.3299

■ 17.4593, 0.3797,
0.3431

■ 32.1002, 0.3020,
0.3261

■ 14.8553, 0.4098,
0.3476

■ 36.8927, 0.2902,
0.3226

■ 12.6402, 0.4448,
0.3515

■ 42.1659, 0.2803,
0.3194

■ 10.7953, 0.4841,
0.3544

■ 47.9328, 0.2720,
0.3165

■ 9.3000, 0.5258,
0.3553

■ 54.2058, 0.2650,
0.3138

■ 8.1319, 0.5659,
0.3537

■ 60.9969, 0.2591,
0.3115

■ 7.2659, 0.5997,
0.3491

■ 68.3176, 0.2541,
0.3093

■ 6.7829, 0.6207,
0.3454

■ 75.8931, 0.2517,
0.3122

Harmonies

Analogous

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



23.9021, 0.3276, 0.3245



23.9021, 0.3336, 0.3341



23.9021, 0.3339, 0.3426

Triad

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



23.9021, 0.3336, 0.3341



23.9021, 0.3077, 0.3425



23.9021, 0.2970, 0.3106

Complementary

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



23.9021, 0.3336, 0.3341



26.3049, 0.2944, 0.3238

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.



23.9021, 0.2919, 0.3150



23.9021, 0.3336, 0.3341



23.9021, 0.2980, 0.3334

Square

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



23.9021, 0.3336, 0.3341



23.9021, 0.3188, 0.3477



23.9021, 0.2923, 0.3233



23.9021, 0.3063, 0.3111

Rectangle

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



23.9021, 0.3336, 0.3341



23.9021, 0.3309, 0.3465



23.9021, 0.2923, 0.3233



23.9021, 0.2948, 0.3116

Sweetspot

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



23.9032, 0.3336, 0.3341



47.7493, 0.3191, 0.3306



23.5298, 0.3174, 0.3044



10.5139, 0.3202, 0.3309



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.9032, 0.3336, 0.3341



40.2908, 0.3394, 0.3354



26.4252, 0.3317, 0.3489



5.9630, 0.3278, 0.3328



5.9925, 0.6200, 0.3459



0.1029, 0.5597, 0.3938

Inverse Universe

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



26.3049, 0.2944, 0.3238



45.4405, 0.2900, 0.3225



23.7120, 0.2940, 0.3083



6.3987, 0.2990, 0.3252



14.0078, 0.2100, 0.2761



0.2067, 0.2178, 0.3041

Previews

White Background



This preview shows how the Yxy color 23.9021, 0.3336, 0.3341 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 23.9021, 0.3336, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

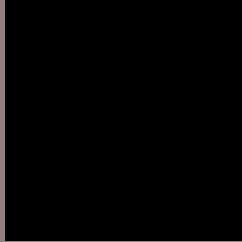
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9021, 0.3336, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 23.9021, 0.3336, 0.3341.



This preview shows how white text looks on a background with the Yxy color 23.9021, 0.3336, 0.3341.

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

23.9021, 0.3336, 0.3341

Protanopia

24.0384, 0.3226, 0.3376

Deuteranopia

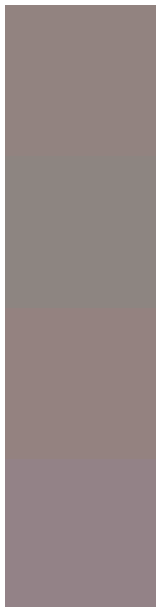
23.9133, 0.3374, 0.3324



Tritanopia

23.8605, 0.3240, 0.3127

Trichromacy



Original Color

23.9021, 0.3336, 0.3341

Protanomaly

24.0228, 0.3262, 0.3358

Deuteranomaly

23.8197, 0.3362, 0.3324

Tritanomaly

23.9176, 0.3271, 0.3208

Monochromacy



Original Color

23.9021, 0.3336, 0.3341

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.2051, 0.3205, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9021, 0.3336, 0.3341 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(146, 131, 128)` looks like.

```
.text, #text, p{  
    color:rgb(146, 131, 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(146, 131, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 131, 128) }
```

Border

The CSS property to change the border of an element to Yxy 23.9021, 0.3336, 0.3341 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(146, 131, 128) }
```

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

```
.border{ border-color:rgb(146, 131, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 131, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 131, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 131, 128);  
box-shadow:4px 4px 4px 4px rgb(146, 131,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9021, 0.3336, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 131, 128) }
```

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

```
.background{ background-color: rgb(146,  
131, 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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