

Converting Colors

$Y_{xy}(21.1016, 0.3244, 0.3209)$

Have a look what the booklet for
Yxy(21.1016, 0.3244, 0.3209)
contains.

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Color

Yxy(21.0428, 0.3241, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	897B80
RGB	137, 123, 128
RGB Percent	54%, 48%, 50%
CMY	0.4629, 0.5176, 0.4980
CMYK	0.00, 0.10, 0.07, 0.46
HSL	339°, 6%, 51%
HSV	339°, 10%, 54%
XYZ	21.2924, 21.0428, 23.3619
YIQ	127.7560, 6.7390, 4.5230

Conversions

Conversions Part 2

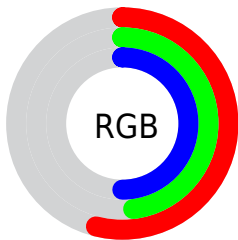
Format	Color
RYB	137, 123, 128
Decimal	9010048
CIELab	53.00, 6.27, -0.77
CIELCh	53, 6.318, 352.967
Yxy	21.0428, 0.3241, 0.3203
Android (android.graphics.Color)	4287200128 (0xFF897B80)
YUV	127.7560, 0.1203, 8.1070
Hunter-Lab	45.8724, 2.5770, 1.9155

Details

The Yxy color **21.0428, 0.3241, 0.3203** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.7610, 0.3025, 0.3379**, and the grayscale version is **21.4948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9433, 0.3210, 0.3213**, and **7.4883, 0.3286, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **17.6575, 0.3377, 0.3113**, and if you desaturate by 10%, it is **24.9256, 0.3129, 0.3288**.

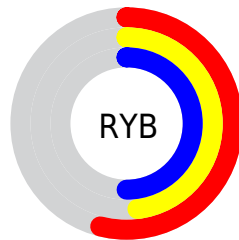
Distribution



Red (54%)

Green (48%)

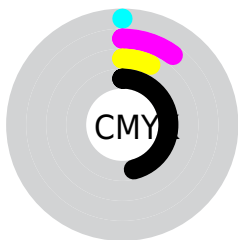
Blue (50%)



Red (54%)

Yellow (48%)

Blue (50%)

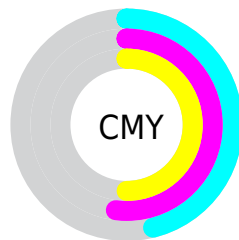


Cyan (0%)

Magenta (10%)

Yellow (7%)

Black (46%)



Cyan (46%)


Magenta (52%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0428, 0.3241, 0.3203 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 21.0428, 0.3241, 0.3203 by changing the saturation by 10% instead.


 21.0428, 0.3241,
0.3203


 21.0428, 0.3241,
0.3203


257.5059, 0.3177,
0.3252


 13.1553, 0.3260,
0.3188


 45.1588, 0.3216,
0.3222

 7.5356, 0.3287,
0.3168


 62.1560, 0.3207,
0.3229

 3.7992, 0.3328,
0.3137

 82.9586, 0.3199,
0.3235

 1.5619, 0.3397,
0.3085

107.9509, 0.3193,
0.3239

 0.3317, 0.3854,
0.2729

137.5175, 0.3188,
0.3243

 0.0000, 0.0000,
0.0000

172.0425, 0.3184,

0.3247

211.9105, 0.3180,
0.3250

■ 21.0428, 0.3241,
0.3203

■ 21.0428, 0.3241,
0.3203

■ 17.6575, 0.3377,
0.3113

■ 24.9256, 0.3129,
0.3288

■ 14.7468, 0.3541,
0.3019

■ 29.3221, 0.3037,
0.3368

■ 12.2901, 0.3738,
0.2926

■ 34.2512, 0.2961,
0.3441

■ 10.2641, 0.3972,
0.2839

■ 39.7300, 0.2899,
0.3508

■ 8.6436, 0.4241,
0.2766

■ 45.7748, 0.2847,
0.3570

■ 7.4008, 0.4543,
0.2717

■ 52.4013, 0.2803,
0.3626

■ 6.5039, 0.4864,
0.2703

■ 59.6246, 0.2767,
0.3678

■ 5.9165, 0.5185,
0.2735

■ 67.4592, 0.2737,
0.3724

■ 5.5374, 0.5488,
0.2797

■ 75.9189, 0.2712,
0.3768

Harmonies

Analogous

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



21.0428, 0.3127, 0.3129



21.0428, 0.3241, 0.3203



21.0428, 0.3325, 0.3300

Triad

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



21.0428, 0.3241, 0.3203



21.0428, 0.3237, 0.3492



21.0428, 0.2905, 0.3177

Complementary

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



21.0428, 0.3241, 0.3203



23.7610, 0.3025, 0.3379

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.



21.0428, 0.2933, 0.3275



21.0428, 0.3241, 0.3203



21.0428, 0.3124, 0.3460

Square

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



21.0428, 0.3241, 0.3203



21.0428, 0.3322, 0.3468



21.0428, 0.3013, 0.3379



21.0428, 0.2935, 0.3112

Rectangle

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



21.0428, 0.3241, 0.3203



21.0428, 0.3351, 0.3367



21.0428, 0.3013, 0.3379



21.0428, 0.2908, 0.3207

Sweetspot

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



21.0437, 0.3241, 0.3203



42.5645, 0.3159, 0.3264



20.8682, 0.3078, 0.3045



9.4282, 0.3167, 0.3258



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.



21.0437, 0.3241, 0.3203



36.3722, 0.3267, 0.3185



21.3818, 0.3296, 0.3323



5.0762, 0.3228, 0.3212



5.1625, 0.5480, 0.2793



0.0369, 0.4439, 0.2219

Inverse Universe

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



21.0437, 0.3241, 0.3203



36.3722, 0.3267, 0.3185



23.3764, 0.2976, 0.3257



5.0762, 0.3228, 0.3212



5.1625, 0.5480, 0.2793



0.0369, 0.4439, 0.2219

Previews

White Background



This preview shows how the Yxy color 21.0428, 0.3241, 0.3203 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 21.0428, 0.3241, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

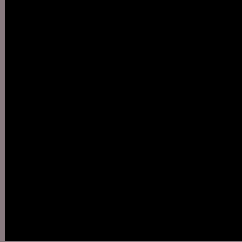
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0428, 0.3241, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 21.0428, 0.3241, 0.3203.



This preview shows how white text looks on a background with the Yxy color 21.0428, 0.3241, 0.3203.

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

21.0428, 0.3241, 0.3203

Protanopia

21.1226, 0.3107, 0.3218

Deuteranopia

21.1277, 0.3254, 0.3203



Tritanopia

20.9883, 0.3209, 0.3117

Trichromacy



Original Color

21.0428, 0.3241, 0.3203

Protanomaly

21.0775, 0.3154, 0.3219

Deuteranomaly

21.1277, 0.3254, 0.3203

Tritanomaly

20.9610, 0.3220, 0.3134

Monochromacy



Original Color

21.0428, 0.3241, 0.3203

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.3055, 0.3165, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0428, 0.3241, 0.3203 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(137, 123, 128)` looks like.

```
.text, #text, p{  
    color:rgb(137, 123, 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(137, 123, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 123, 128) }
```

Border

The CSS property to change the border of an element to Yxy 21.0428, 0.3241, 0.3203 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(137, 123, 128) }
```

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

```
.border{ border-color:rgb(137, 123, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 123, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 123, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 123, 128);  
box-shadow:4px 4px 4px 4px rgb(137, 123,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0428, 0.3241, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 123, 128) }
```

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

```
.background{ background-color: rgb(137,  
123, 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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