

Converting Colors

$Y_{xy}(20.7809, 0.3571, 0.3048)$

Have a look what the booklet for
Yxy(20.7809, 0.3571, 0.3048)
contains.

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Color

Yxy(20.7239, 0.3573, 0.3037)

Conversions

Conversions Part 1

Format	Color
Hex	A17080
RGB	161, 112, 128
RGB Percent	63%, 44%, 50%
CMY	0.3688, 0.5607, 0.4981
CMYK	0.00, 0.30, 0.20, 0.37
HSL	340°, 21%, 54%
HSV	340°, 30%, 63%
XYZ	24.3815, 20.7239, 23.1327
YIQ	128.4750, 24.0680, 15.3640

Conversions

Conversions Part 2

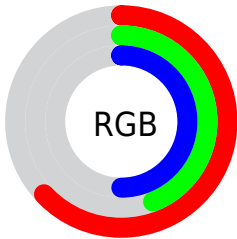
Format	Color
RYB	161, 112, 128
Decimal	10580096
CIELab	52.65, 21.81, -0.98
CIELCh	53, 21.829, 357.415
Yxy	20.7239, 0.3573, 0.3037
Android (android.graphics.Color)	4288770176 (0xFFA17080)
YUV	128.4750, -0.2342, 28.5244
Hunter-Lab	45.5235, 15.9348, 1.7383

Details

The Yxy color **20.7239, 0.3573, 0.3037** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.9659, 0.2821, 0.3561**, and the grayscale version is **21.7546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6388, 0.3475, 0.3088**, and **7.3077, 0.3750, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **17.2133, 0.3786, 0.2951**, and if you desaturate by 10%, it is **24.9019, 0.3396, 0.3124**.

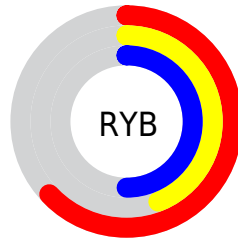
Distribution



Red (63%)

Green (44%)

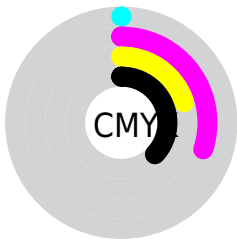
Blue (50%)



Red (63%)

Yellow (44%)

Blue (50%)

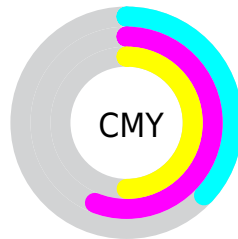


Cyan (0%)

Magenta (30%)

Yellow (20%)

Black (37%)



Cyan (37%)


Magenta (56%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7239, 0.3573, 0.3037 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 20.7239, 0.3573, 0.3037 by changing the saturation by 10% instead.


 20.7239, 0.3573,
0.3037


 20.7239, 0.3573,
0.3037


255.8075, 0.3321,
0.3180


 12.9223, 0.3648,
0.2995


 44.6276, 0.3473,
0.3093


 7.3751, 0.3754,
0.2936


 61.4985, 0.3438,
0.3113

 3.6978, 0.3914,
0.2847

 82.1613, 0.3409,
0.3129

 1.5060, 0.4180,
0.2700

 107.0003, 0.3386,
0.3143

 0.2929, 0.5436,
0.1964

136.4001, 0.3366,
0.3154

 0.0000, 0.0000,
0.0000

170.7450, 0.3349,

0.3164

210.4193, 0.3334,
0.3172

■ 20.7239, 0.3573,
0.3037

■ 20.7239, 0.3573,
0.3037

■ 17.2133, 0.3786,
0.2951

■ 24.9019, 0.3396,
0.3124

■ 14.3325, 0.4039,
0.2871

■ 29.7767, 0.3251,
0.3208

■ 12.0445, 0.4333,
0.2806

■ 35.3794, 0.3131,
0.3287

■ 10.3071, 0.4659,
0.2767


■ 41.7383, 0.3034,
0.3361


■ 9.0727, 0.5004,
0.2765

■ 48.8802, 0.2954,
0.3428


 8.2852, 0.5342,
0.2808

 56.8307, 0.2888,
0.3490

 7.8253, 0.5641,
0.2881

 65.6141, 0.2833,
0.3547

 75.2538, 0.2788,
0.3598

 84.5615, 0.2749,
0.3625

Harmonies

Analogous

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



20.7239, 0.3177, 0.2789



20.7239, 0.3573, 0.3037



20.7239, 0.3853, 0.3351

Triad

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



20.7239, 0.3573, 0.3037



20.7239, 0.3436, 0.4010



20.7239, 0.2390, 0.2840

Complementary

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



20.7239, 0.3573, 0.3037



30.9659, 0.2821, 0.3561

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.



20.7239, 0.2450, 0.3158



20.7239, 0.3573, 0.3037



20.7239, 0.3039, 0.3877

Square

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



20.7239, 0.3573, 0.3037



20.7239, 0.3763, 0.3920



20.7239, 0.2681, 0.3549



20.7239, 0.2510, 0.2667

Rectangle

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



20.7239, 0.3573, 0.3037



20.7239, 0.3925, 0.3568



20.7239, 0.2681, 0.3549



20.7239, 0.2390, 0.2932

Sweetspot

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



20.7249, 0.3573, 0.3037



54.5233, 0.3235, 0.3218



20.1534, 0.2968, 0.2509



11.6728, 0.3253, 0.3207



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.



20.7249, 0.3573, 0.3037



33.0532, 0.3702, 0.2983



22.2196, 0.3752, 0.3423



7.1223, 0.3236, 0.3217



6.2602, 0.5620, 0.2870



0.1399, 0.4658, 0.2340

Inverse Universe

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



20.7249, 0.3573, 0.3037



33.0532, 0.3702, 0.2983



28.7362, 0.2685, 0.3152



7.1223, 0.3236, 0.3217



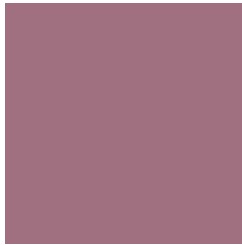
6.2602, 0.5620, 0.2870



0.1399, 0.4658, 0.2340

Previews

White Background



This preview shows how the Yxy color 20.7239, 0.3573, 0.3037 looks on a white background.

Color Contrast Check

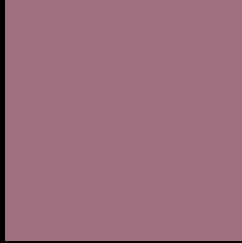
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7239, 0.3573, 0.3037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

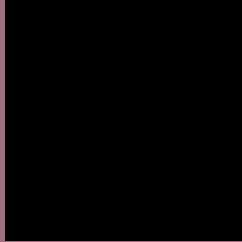
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7239, 0.3573, 0.3037

Background



This preview shows how black text looks on a background with the Yxy color 20.7239, 0.3573, 0.3037.



This preview shows how white text looks on a background with the Yxy color 20.7239, 0.3573, 0.3037.

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

20.7239, 0.3573, 0.3037

Protanopia

20.8048, 0.3008, 0.3092

Deuteranopia

20.8287, 0.3279, 0.3220



Tritanopia

20.6890, 0.3637, 0.3147

Trichromacy



Original Color

20.7239, 0.3573, 0.3037

Protanomaly

20.5297, 0.3199, 0.3065

Deuteranomaly

20.6002, 0.3376, 0.3138

Tritanomaly

20.7391, 0.3611, 0.3115

Monochromacy



Original Color

20.7239, 0.3573, 0.3037

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.0530, 0.3280, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7239, 0.3573, 0.3037 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(161, 112, 128)` looks like.

```
.text, #text, p{  
    color:rgb(161, 112, 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(161, 112, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 112, 128) }
```

Border

The CSS property to change the border of an element to Yxy 20.7239, 0.3573, 0.3037 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(161, 112, 128) }
```

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

```
.border{ border-color:rgb(161, 112, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 112, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 112, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 112, 128);  
box-shadow:4px 4px 4px 4px rgb(161, 112,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7239, 0.3573, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 112, 128) }
```

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

```
.background{ background-color: rgb(161,  
112, 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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