

Converting Colors

$Y_{xy}(20.7682, 0.3179, 0.3759)$

Have a look what the booklet for
Yxy(20.7682, 0.3179, 0.3759)
contains.

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Color

$\text{Yxy}(20.8048, 0.3174, 0.3756)$

Conversions

Conversions Part 1

Format	Color
Hex	71836B
RGB	113, 131, 107
RGB Percent	44%, 51%, 42%
CMY	0.5569, 0.4863, 0.5803
CMYK	0.14, 0.00, 0.18, 0.49
HSL	105°, 10%, 47%
HSV	105°, 18%, 51%
XYZ	17.5811, 20.8048, 17.0050
YIQ	122.8820, -3.0240, -11.2800

Conversions

Conversions Part 2

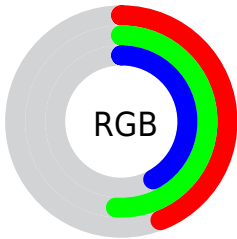
Format	Color
RYB	107, 131, 125
Decimal	7439211
CIELab	52.74, -11.39, 10.80
CIElCh	53, 15.696, 136.501
Yxy	20.8048, 0.3174, 0.3756
Android (android.graphics.Color)	4285629291 (0xFF71836B)
YUV	122.8820, -7.8298, -8.6665
Hunter-Lab	45.6123, -11.0194, 9.8243

Details

The Yxy color $20.8048, 0.3174, 0.3756$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $16.5206, 0.3069, 0.2845$, and the grayscale version is $19.7942, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.7489, 0.3169, 0.3652$, and $7.4846, 0.3181, 0.3960$ is the 20% darker color. If you saturate the color by 10%, you get $19.9331, 0.3196, 0.4046$, and if you desaturate by 10%, it is $21.7908, 0.3149, 0.3491$.

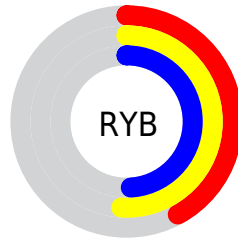
Distribution



Red (44%)

Green (51%)

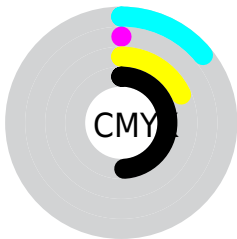
Blue (42%)



Red (42%)

Yellow (51%)

Blue (49%)

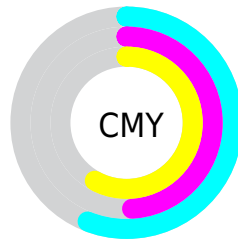


Cyan (14%)

Magenta (0%)

Yellow (18%)

Black (49%)



Cyan (56%)

Magenta (49%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8048, 0.3174, 0.3756 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 20.8048, 0.3174, 0.3756 by changing the saturation by 10% instead.


 20.8048, 0.3174,
0.3756


 20.8048, 0.3174,
0.3756


256.2393, 0.3151,
0.3486


 12.9814, 0.3179,
0.3840


 44.7624, 0.3166,
0.3647

 7.4157, 0.3185,
0.3961


 61.6655, 0.3163,
0.3609

 3.7234, 0.3190,
0.4149

 82.3638, 0.3160,
0.3579

 1.5201, 0.3199,
0.4495

 107.2419, 0.3157,
0.3554

 0.3028, 0.0315,
0.9685

136.6841, 0.3155,
0.3533

 0.0000, 0.0000,
0.0000

171.0748, 0.3154,

0.3515

210.7984, 0.3152,
0.3499

■ 20.8048, 0.3174,
0.3756

■ 20.8048, 0.3174,
0.3756

■ 19.9331, 0.3196,
0.4046

■ 21.7908, 0.3149,
0.3491

■ 19.1689, 0.3213,
0.4355

■ 22.8922, 0.3123,
0.3251

■ 18.5086, 0.3223,
0.4674


■ 24.1138, 0.3096,
0.3038


■ 17.9477, 0.3224,
0.4991

■ 25.4589, 0.3069,
0.2850


■ 17.4810, 0.3214,
0.5286

■ 26.9311, 0.3044,
0.2683

 17.1029, 0.3192,
0.5542


 28.5335, 0.3019,
0.2537


 16.8074, 0.3160,
0.5740

 30.2694, 0.2996,
0.2409

 16.5834, 0.3122,
0.5884

 32.1417, 0.2975,
0.2297

 16.5507, 0.3117,
0.5907

 34.1533, 0.2955,
0.2197

Harmonies

Analogous

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



20.8048, 0.3450, 0.3798



20.8048, 0.3174, 0.3756



20.8048, 0.2894, 0.3569

Triad

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



20.8048, 0.3174, 0.3756



20.8048, 0.2630, 0.2872



20.8048, 0.3588, 0.3254

Complementary

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



20.8048, 0.3174, 0.3756



16.5206, 0.3069, 0.2845

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.



20.8048, 0.3351, 0.3032



20.8048, 0.3174, 0.3756



20.8048, 0.2798, 0.2815

Square

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



20.8048, 0.3174, 0.3756



20.8048, 0.2589, 0.3045



20.8048, 0.3059, 0.2874



20.8048, 0.3697, 0.3493

Rectangle

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



20.8048, 0.3174, 0.3756



20.8048, 0.2743, 0.3394



20.8048, 0.3059, 0.2874



20.8048, 0.3520, 0.3175

Sweetspot

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



20.8057, 0.3174, 0.3756



39.6279, 0.3141, 0.3411



20.5563, 0.3408, 0.3621



9.1992, 0.3142, 0.3426



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.8057, 0.3174, 0.3756



36.5769, 0.3184, 0.3875



20.5528, 0.3043, 0.3644



5.2567, 0.3151, 0.3512



16.2924, 0.3117, 0.5907



0.0595, 0.3404, 0.5679

Inverse Universe

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



16.5206, 0.3069, 0.2845



27.4087, 0.3053, 0.2738



16.8264, 0.3224, 0.2961



4.7060, 0.3100, 0.3073



4.1892, 0.2603, 0.1208



0.0179, 0.2905, 0.1374

Previews

White Background



This preview shows how the Yxy color 20.8048, 0.3174, 0.3756 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 20.8048, 0.3174, 0.3756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

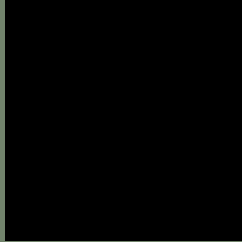
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8048, 0.3174, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 20.8048, 0.3174, 0.3756.



This preview shows how white text looks on a background with the Yxy color 20.8048, 0.3174, 0.3756.

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

20.8048, 0.3174, 0.3756

Protanopia

20.6533, 0.3470, 0.3674

Deuteranopia

20.7082, 0.3566, 0.3500



Tritanopia

20.8364, 0.2919, 0.3107

Trichromacy



Original Color

20.8048, 0.3174, 0.3756

Protanomaly

20.6343, 0.3363, 0.3702

Deuteranomaly

20.7365, 0.3422, 0.3600

Tritanomaly

20.6577, 0.3010, 0.3327

Monochromacy



Original Color

20.8048, 0.3174, 0.3756

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1280, 0.3143, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8048, 0.3174, 0.3756 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(113, 131, 107)` looks like.

```
.text, #text, p{  
    color:rgb(113, 131, 107)  
}
```

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(113, 131, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 131, 107) }
```

Border

The CSS property to change the border of an element to Yxy 20.8048, 0.3174, 0.3756 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(113, 131, 107) }
```

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

```
.border{ border-color:rgb(113, 131, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 131, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 131, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 131, 107);  
box-shadow:4px 4px 4px 4px rgb(113, 131,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8048, 0.3174, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 131, 107) }
```

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

```
.background{ background-color: rgb(113,  
131, 107) }
```

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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