

Converting Colors

$Y_{xy}(20.6670, 0.3378, 0.3689)$

Have a look what the booklet for
Yxy(20.6670, 0.3378, 0.3689)
contains.

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Color

Yxy(20.7107, 0.3375, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	7F7F69
RGB	127, 127, 105
RGB Percent	50%, 50%, 41%
CMY	0.5020, 0.5019, 0.5881
CMYK	0.00, 0.00, 0.17, 0.50
HSL	60°, 9%, 45%
HSV	60°, 17%, 50%
XYZ	18.8915, 20.7107, 16.3726
YIQ	124.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

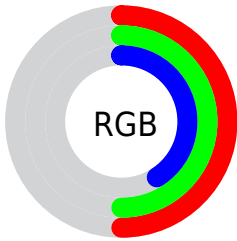
Format	Color
R_{YB}	105, 127, 105
Decimal	8355689
CIE _{Lab}	52.63, -4.03, 11.98
CIE _{LCh}	53, 12.637, 108.592
Yxy	20.7107, 0.3375, 0.3700
Android (android.graphics.Color)	4286545769 (0xFF7F7F69)
YUV	124.4920, -9.6096, 2.1995
Hunter-Lab	45.5090, -5.5426, 10.5257

Details

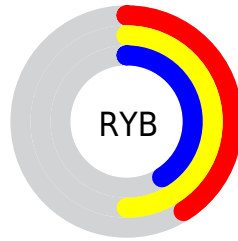
The Yxy color **20.7107, 0.3375, 0.3700** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6459, 0.2858, 0.2844**, and the grayscale version is **20.3604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7461, 0.3323, 0.3614**, and **7.3740, 0.3475, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **20.4690, 0.3520, 0.3941**, and if you desaturate by 10%, it is **20.9932, 0.3230, 0.3461**.

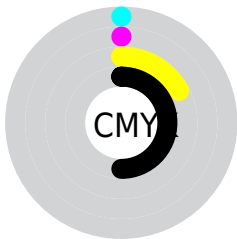
Distribution



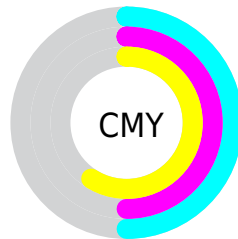
- Red (50%)
- Green (50%)
- Blue (41%)



- Red (41%)
- Yellow (50%)
- Blue (41%)



- Cyan (0%)
- Magenta (0%)
- Yellow (17%)
- Black (50%)





- Cyan (50%)
- Magenta (50%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7107, 0.3375, 0.3700 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 20.7107, 0.3375, 0.3700 by changing the saturation by 10% instead.


 20.7107, 0.3375,
0.3700


 20.7107, 0.3375,
0.3700


255.7370, 0.3236,
0.3465


 12.9127, 0.3416,
0.3771


 44.6056, 0.3320,
0.3606


 7.3685, 0.3472,
0.3872


 61.4712, 0.3301,
0.3574

 3.6936, 0.3555,
0.4026

 82.1282, 0.3285,
0.3547

 1.5037, 0.3715,
0.4318

 106.9609, 0.3272,
0.3525

 0.2913, 0.3800,
0.6200

136.3538, 0.3261,
0.3507

 0.0000, 0.0000,
0.0000

170.6911, 0.3251,

0.3491

210.3574, 0.3243,
0.3477

■ 20.7107, 0.3375,
0.3700

■ 20.7107, 0.3375,
0.3700

■ 20.4690, 0.3520,
0.3941

■ 20.9932, 0.3230,
0.3461

■ 20.2637, 0.3662,
0.4176

■ 21.3155, 0.3090,
0.3228

■ 20.0938, 0.3796,
0.4396

■ 21.6799, 0.2956,
0.3007

■ 19.9574, 0.3915,
0.4594

■ 22.0879, 0.2831,
0.2800

■ 19.8521, 0.4016,
0.4762

■ 22.5409, 0.2715,
0.2608

■ 19.7756, 0.4095,
0.4892

■ 23.0401, 0.2608,
0.2432

■ 19.7250, 0.4150,
0.4982

■ 23.5870, 0.2511,
0.2271

■ 19.6941, 0.4184,
0.5039

■ 24.1826, 0.2423,
0.2126

■ 19.6865, 0.4192,
0.5053

■ 24.8281, 0.2344,
0.1994

Harmonies

Analogous

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



20.7107, 0.3537, 0.3628



20.7107, 0.3375, 0.3700



20.7107, 0.3151, 0.3655

Triad

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



20.7107, 0.3375, 0.3700



20.7107, 0.2688, 0.3082



20.7107, 0.3324, 0.3092

Complementary

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



20.7107, 0.3375, 0.3700



14.6459, 0.2858, 0.2844

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.



20.7107, 0.3090, 0.2958



20.7107, 0.3375, 0.3700



20.7107, 0.2730, 0.2946

Square

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



20.7107, 0.3375, 0.3700



20.7107, 0.2759, 0.3286



20.7107, 0.2874, 0.2904



20.7107, 0.3508, 0.3277

Rectangle

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



20.7107, 0.3375, 0.3700



20.7107, 0.2997, 0.3561



20.7107, 0.2874, 0.2904



20.7107, 0.3248, 0.3040

Sweetspot

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



20.7116, 0.3375, 0.3700



37.7113, 0.3199, 0.3409



15.6408, 0.3442, 0.3291



8.8216, 0.3208, 0.3423



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



20.7116, 0.3375, 0.3700



36.8966, 0.3436, 0.3801



19.9142, 0.3238, 0.3718



5.0193, 0.3256, 0.3503



19.8530, 0.4192, 0.5053



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6459, 0.2858, 0.2844



23.7835, 0.2784, 0.2722



15.3544, 0.3000, 0.2863



4.2118, 0.2993, 0.3067



1.5459, 0.1500, 0.0600



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.7107, 0.3375, 0.3700 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 20.7107, 0.3375, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

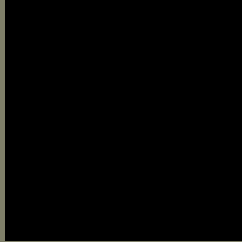
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

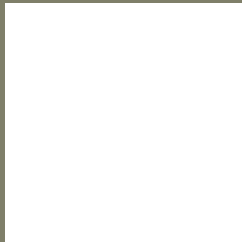
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.7107, 0.3375, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 20.7107, 0.3375, 0.3700.



This preview shows how white text looks on a background with the Yxy color 20.7107, 0.3375, 0.3700.

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

20.7107, 0.3375, 0.3700

Protanopia

20.6533, 0.3470, 0.3674

Deuteranopia

20.6446, 0.3604, 0.3553



Tritanopia

20.6847, 0.3111, 0.3113

Trichromacy



Original Color

20.7107, 0.3375, 0.3700

Protanomaly

20.7465, 0.3441, 0.3695

Deuteranomaly

20.6098, 0.3518, 0.3595

Tritanomaly

20.5912, 0.3212, 0.3308

Monochromacy



Original Color

20.7107, 0.3375, 0.3700

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.3116, 0.3217, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7107, 0.3375, 0.3700 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(127, 127, 105)` looks like.

```
.text, #text, p{  
    color:rgb(127, 127, 105)  
}
```

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(127, 127, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 127, 105) }
```

Border

The CSS property to change the border of an element to Yxy 20.7107, 0.3375, 0.3700 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(127, 127, 105) }
```

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

```
.border{ border-color:rgb(127, 127, 105) }
```

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

Here you see how a box with a 4 pixel rgb(127, 127, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 127, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 127, 105);  
box-shadow:4px 4px 4px 4px rgb(127, 127,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7107, 0.3375, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 127, 105) }
```

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

```
.background{ background-color: rgb(127,  
127, 105) }
```

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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