

Converting Colors

$Y_{xy}(20.6886, 0.3101, 0.3400)$

Have a look what the booklet for
Yxy(20.6886, 0.3101, 0.3400)
contains.

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Color

$Yxy(20.8366, 0.3098, 0.3402)$

Conversions

Conversions Part 1

Format	Color
Hex	78807A
RGB	120, 128, 122
RGB Percent	47%, 50%, 48%
CMY	0.5295, 0.4980, 0.5215
CMYK	0.06, 0.00, 0.05, 0.50
HSL	135°, 3%, 49%
HSV	135°, 6%, 50%
XYZ	18.9747, 20.8366, 21.4368
YIQ	124.9240, -2.8420, -3.5620

Conversions

Conversions Part 2

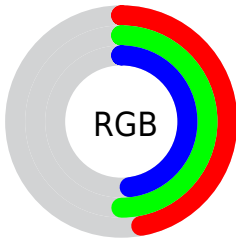
Format	Color
R_{YB}	120, 126, 128
Decimal	7897210
CIE Lab	52.77, -4.20, 2.22
CIE LCh	53, 4.750, 152.138
Yxy	20.8366, 0.3098, 0.3402
Android (android.graphics.Color)	4286087290 (0xFF78807A)
YUV	124.9240, -1.4415, -4.3183
Hunter-Lab	45.6471, -5.6833, 4.1092

Details

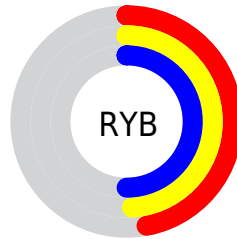
The Yxy color $20.8366, 0.3098, 0.3402$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $19.5206, 0.3158, 0.3181$, and the grayscale version is $20.4859, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.8744, 0.3106, 0.3385$, and $7.4507, 0.3101, 0.3464$ is the 20% darker color. If you saturate the color by 10%, you get $19.7576, 0.3051, 0.3598$, and if you desaturate by 10%, it is $22.0630, 0.3144, 0.3228$.

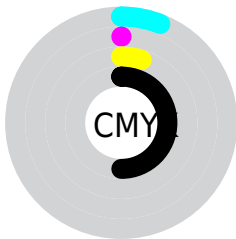
Distribution



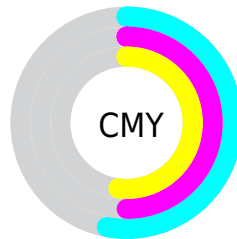
- Red (47%)
- Green (50%)
- Blue (48%)



- Red (47%)
- Yellow (49%)
- Blue (50%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (50%)



- Cyan (53%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8366, 0.3098, 0.3402 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 20.8366, 0.3098, 0.3402 by changing the saturation by 10% instead.

■ 20.8366, 0.3098,
0.3402

■ 20.8366, 0.3098,
0.3402

256.4088, 0.3115,
0.3338

■ 13.0046, 0.3093,
0.3421

■ 44.8154, 0.3105,
0.3376

■ 7.4317, 0.3086,
0.3449

■ 61.7311, 0.3107,
0.3368

■ 3.7335, 0.3074,
0.3491

■ 82.4434, 0.3109,
0.3360

■ 1.5256, 0.3054,
0.3564

107.3368, 0.3111,
0.3355

■ 0.3067, 0.2802,
0.4548

136.7956, 0.3112,
0.3349

■ 0.0000, 0.0000,
0.0000

171.2043, 0.3113,

0.3345

210.9472, 0.3114,
0.3341

■ 20.8366, 0.3098,
0.3402

■ 20.8366, 0.3098,
0.3402

■ 19.7576, 0.3051,
0.3598

■ 22.0630, 0.3144,
0.3228

■ 18.8178, 0.3006,
0.3817

■ 23.4394, 0.3189,
0.3074

■ 18.0124, 0.2963,
0.4058

■ 24.9715, 0.3232,
0.2940

■ 17.3350, 0.2926,
0.4316

■ 26.6642, 0.3273,
0.2823

■ 16.7789, 0.2896,
0.4587

■ 28.5218, 0.3312,
0.2721

■ 16.3367, 0.2877,
0.4861

■ 30.5487, 0.3348,
0.2632

■ 16.0002, 0.2871,
0.5127

■ 32.7491, 0.3381,
0.2554

■ 15.7599, 0.2878,
0.5370

■ 35.1270, 0.3413,
0.2487

■ 15.5998, 0.2897,
0.5580

■ 37.6863, 0.3442,
0.2428

Harmonies

Analogous

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



20.8366, 0.3185, 0.3439



20.8366, 0.3098, 0.3402



20.8366, 0.3019, 0.3334

Triad

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



20.8366, 0.3098, 0.3402



20.8366, 0.2997, 0.3148



20.8366, 0.3288, 0.3322

Complementary

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



20.8366, 0.3098, 0.3402



19.5206, 0.3158, 0.3181

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.



20.8366, 0.3236, 0.3246



20.8366, 0.3098, 0.3402



20.8366, 0.3068, 0.3146

Square

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



20.8366, 0.3098, 0.3402



20.8366, 0.2961, 0.3187



20.8366, 0.3155, 0.3182



20.8366, 0.3296, 0.3391

Rectangle

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



20.8366, 0.3098, 0.3402



20.8366, 0.2982, 0.3281



20.8366, 0.3155, 0.3182



20.8366, 0.3275, 0.3296

Sweetspot

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



20.8375, 0.3098, 0.3402



37.5629, 0.3118, 0.3326



21.2324, 0.3192, 0.3438



8.8017, 0.3118, 0.3323



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.



20.8375, 0.3098, 0.3402



36.2999, 0.3089, 0.3438



20.9385, 0.3055, 0.3327



4.8353, 0.3085, 0.3455



15.4145, 0.2903, 0.5649



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.5206, 0.3158, 0.3181



33.3182, 0.3167, 0.3147



19.4196, 0.3204, 0.3253



4.3943, 0.3172, 0.3131



5.3791, 0.3949, 0.1949



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.8366, 0.3098, 0.3402 looks on a white background.

Color Contrast Check

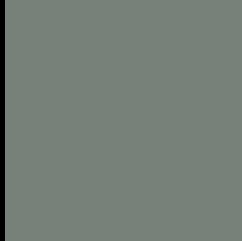
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8366, 0.3098, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

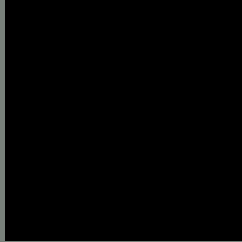
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8366, 0.3098, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 20.8366, 0.3098, 0.3402.



This preview shows how white text looks on a background with the Yxy color 20.8366, 0.3098, 0.3402.

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

20.8366, 0.3098, 0.3402

Protanopia

20.6904, 0.3232, 0.3381

Deuteranopia

20.8381, 0.3327, 0.3273



Tritanopia

20.8369, 0.2973, 0.3109

Trichromacy



Original Color

20.8366, 0.3098, 0.3402

Protanomaly

20.7378, 0.3183, 0.3382

Deuteranomaly

20.7509, 0.3236, 0.3308

Tritanomaly

20.8824, 0.3014, 0.3216

Monochromacy



Original Color

20.8366, 0.3098, 0.3402

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5879, 0.3114, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8366, 0.3098, 0.3402 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(120, 128, 122)` looks like.

```
.text, #text, p{  
    color:rgb(120, 128, 122)  
}
```

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(120, 128, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 128, 122) }
```

Border

The CSS property to change the border of an element to Yxy 20.8366, 0.3098, 0.3402 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(120, 128, 122) }
```

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

```
.border{ border-color:rgb(120, 128, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 128, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 128, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 128, 122);  
box-shadow:4px 4px 4px 4px rgb(120, 128,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8366, 0.3098, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 128, 122) }
```

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

```
.background{ background-color: rgb(120,  
128, 122) }
```

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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