

Converting Colors

$Y_{xy}(19.5899, 0.3039, 0.3198)$

Have a look what the booklet for
Yxy(19.5899, 0.3039, 0.3198)
contains.

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Color

Yxy(19.7175, 0.3036, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	787B80
RGB	120, 123, 128
RGB Percent	47%, 48%, 50%
CMY	0.5294, 0.5176, 0.4981
CMYK	0.06, 0.04, 0.00, 0.50
HSL	217°, 3%, 49%
HSV	217°, 6%, 50%
XYZ	18.7245, 19.7175, 23.2330
YIQ	122.6730, -3.3930, 0.9190

Conversions

Conversions Part 2

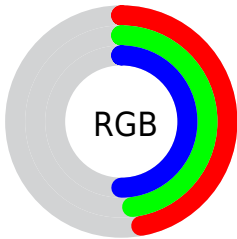
Format	Color
R_{YB}	120, 122, 128
Decimal	7895936
CIE Lab	51.52, -0.08, -3.10
CIE LCh	52, 3.106, 268.437
Yxy	19.7175, 0.3036, 0.3197
Android (android.graphics.Color)	4286086016 (0xFF787B80)
YUV	122.6730, 2.6262, -2.3442
Hunter-Lab	44.4044, -2.4374, 0.0617

Details

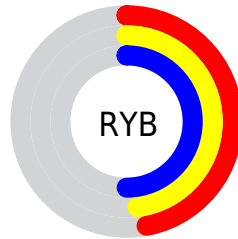
The Yxy color **19.7175, 0.3036, 0.3197** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.6067, 0.3220, 0.3381**, and the grayscale version is **19.6864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7668, 0.3053, 0.3209**, and **6.8398, 0.3004, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **16.9616, 0.2882, 0.3033**, and if you desaturate by 10%, it is **22.7591, 0.3181, 0.3343**.

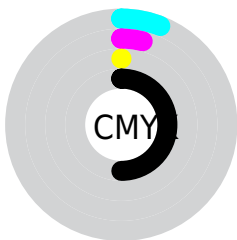
Distribution



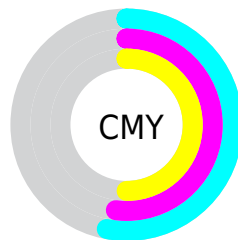
- Red (47%)
- Green (48%)
- Blue (50%)



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



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (50%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7175, 0.3036, 0.3197 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 19.7175, 0.3036, 0.3197 by changing the saturation by 10% instead.

■ 19.7175, 0.3036,
0.3197

■ 19.7175, 0.3036,
0.3197

250.3817, 0.3088,
0.3250

■ 12.1899, 0.3020,
0.3181

■ 42.9430, 0.3057,
0.3218

■ 6.8731, 0.2998,
0.3158

■ 59.4097, 0.3064,
0.3226

■ 3.3829, 0.2963,
0.3123

■ 79.6249, 0.3070,
0.3232

■ 1.3347, 0.2905,
0.3062

103.9729, 0.3075,
0.3237

■ 0.1679, 0.2172,
0.2315

132.8382, 0.3079,
0.3241

■ 0.0000, 0.0000,
0.0000

166.6052, 0.3082,

0.3244

205.6582, 0.3085,
0.3248

■ 19.7175, 0.3036,
0.3197

■ 19.7175, 0.3036,
0.3197

■ 16.9616, 0.2882,
0.3033

■ 22.7591, 0.3181,
0.3343

■ 14.4803, 0.2721,
0.2852

■ 26.0923, 0.3315,
0.3473

■ 12.2653, 0.2554,
0.2653

■ 29.7257, 0.3439,
0.3587

■ 10.3070, 0.2386,
0.2439

■ 33.6669, 0.3553,
0.3687

■ 8.5950, 0.2221,
0.2213

■ 37.9233, 0.3658,
0.3775

■ 7.1182, 0.2065,
0.1981

■ 42.5018, 0.3753,
0.3851

■ 5.8646, 0.1925,
0.1749

■ 47.4094, 0.3840,
0.3919

■ 4.8206, 0.1807,
0.1527

■ 52.6527, 0.3920,
0.3977

■ 3.9660, 0.1714,
0.1321

■ 58.2379, 0.3992,
0.4029

Harmonies

Analogous

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



19.7175, 0.3016, 0.3226



19.7175, 0.3036, 0.3197



19.7175, 0.3081, 0.3193

Triad

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



19.7175, 0.3036, 0.3197



19.7175, 0.3231, 0.3305



19.7175, 0.3115, 0.3369

Complementary

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



19.7175, 0.3036, 0.3197



20.6067, 0.3220, 0.3381

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.



19.7175, 0.3173, 0.3390



19.7175, 0.3036, 0.3197



19.7175, 0.3240, 0.3353

Square

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



19.7175, 0.3036, 0.3197



19.7175, 0.3194, 0.3255



19.7175, 0.3219, 0.3384



19.7175, 0.3061, 0.3326

Rectangle

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



19.7175, 0.3036, 0.3197



19.7175, 0.3119, 0.3204



19.7175, 0.3219, 0.3384



19.7175, 0.3135, 0.3378

Sweetspot

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



19.7183, 0.3036, 0.3197



36.9078, 0.3098, 0.3260



20.9049, 0.3067, 0.3347



8.6590, 0.3100, 0.3262



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.



19.7183, 0.3036, 0.3197



34.2557, 0.3022, 0.3183



19.0535, 0.3048, 0.3141



4.5779, 0.3020, 0.3181



3.6521, 0.1680, 0.1248



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.4526, 0.3192, 0.3235



33.7261, 0.3202, 0.3227



21.3044, 0.3204, 0.3436



4.5060, 0.3203, 0.3226



4.7632, 0.5399, 0.2748



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.7175, 0.3036, 0.3197 looks on a white background.

Color Contrast Check

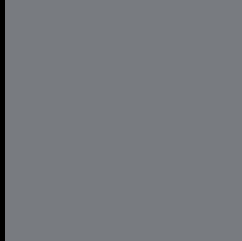
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7175, 0.3036, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

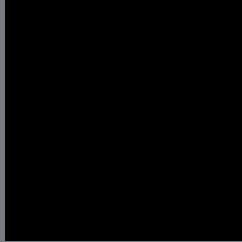
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

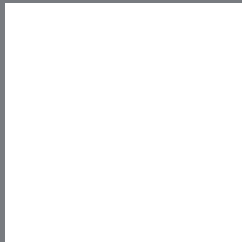
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.7175, 0.3036, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 19.7175, 0.3036, 0.3197.



This preview shows how white text looks on a background with the Yxy color 19.7175, 0.3036, 0.3197.

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

19.7175, 0.3036, 0.3197

Protanopia

19.6623, 0.3083, 0.3197

Deuteranopia

19.6842, 0.3173, 0.3111



Tritanopia

19.6500, 0.3004, 0.3105

Trichromacy



Original Color

19.7175, 0.3036, 0.3197

Protanomaly

19.5889, 0.3071, 0.3197

Deuteranomaly

19.6071, 0.3122, 0.3127

Tritanomaly

19.6227, 0.3015, 0.3123

Monochromacy



Original Color

19.7175, 0.3036, 0.3197

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.7842, 0.3093, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7175, 0.3036, 0.3197 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, 123, 128)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 123, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 123, 128) }
```

Border

The CSS property to change the border of an element to Yxy 19.7175, 0.3036, 0.3197 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, 123, 128) }
```

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

```
.border{ border-color:rgb(120, 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(120, 123, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 123, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 123, 128); box-shadow:4px 4px 4px 4px rgb(120, 123, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7175, 0.3036, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 123, 128) }
```

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

```
.background{ background-color: rgb(120,  
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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