

Converting Colors

$Y_{xy}(20.2699, 0.3119, 0.3202)$

Have a look what the booklet for
Yxy(20.2699, 0.3119, 0.3202)
contains.

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Color

Yxy(20.2365, 0.3119, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	7F7B80
RGB	127, 123, 128
RGB Percent	50%, 48%, 50%
CMY	0.5020, 0.5176, 0.4980
CMYK	0.01, 0.04, 0.00, 0.50
HSL	288°, 2%, 49%
HSV	288°, 4%, 50%
XYZ	19.7304, 20.2365, 23.2919
YIQ	124.7660, 0.7790, 2.4030

Conversions

Conversions Part 2

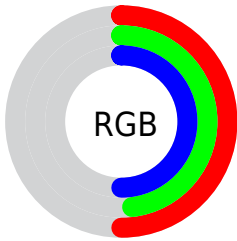
Format	Color
RYB	127, 123, 128
Decimal	8354688
CIELab	52.10, 2.50, -2.19
CIElCh	52, 3.328, 318.778
Yxy	20.2365, 0.3119, 0.3199
Android (android.graphics.Color)	4286544768 (0xFF7F7B80)
YUV	124.7660, 1.5944, 1.9592
Hunter-Lab	44.9850, -0.4336, 0.7909

Details

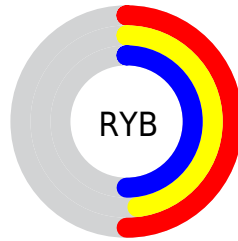
The Yxy color $20.2365, 0.3119, 0.3199$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $21.1592, 0.3135, 0.3382$, and the grayscale version is $20.4198, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.6994, 0.3122, 0.3211$, and $7.0818, 0.3115, 0.3150$ is the 20% darker color. If you saturate the color by 10%, you get $17.0670, 0.3095, 0.2958$, and if you desaturate by 10%, it is $23.8284, 0.3139, 0.3427$.

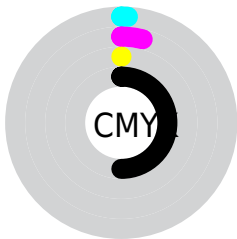
Distribution



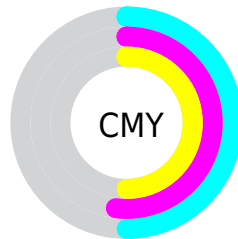
- Red (50%)
- Green (48%)
- Blue (50%)



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



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (50%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2365, 0.3119, 0.3199 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 20.2365, 0.3119, 0.3199 by changing the saturation by 10% instead.

■ 20.2365, 0.3119,
0.3199

■ 20.2365, 0.3119,
0.3199

253.1926, 0.3124,
0.3251

■ 12.5671, 0.3117,
0.3184

■ 43.8133, 0.3121,
0.3220

■ 7.1311, 0.3115,
0.3162

■ 60.4895, 0.3122,
0.3227

■ 3.5442, 0.3112,
0.3129

■ 80.9368, 0.3122,
0.3232

■ 1.4220, 0.3106,
0.3073

105.5395, 0.3123,
0.3237

■ 0.2329, 0.3063,
0.2525

134.6820, 0.3123,
0.3241

■ 0.0000, 0.0000,
0.0000

168.7488, 0.3123,

0.3245

208.1242, 0.3124,
0.3248

■ 20.2365, 0.3119,
0.3199

■ 20.2365, 0.3119,
0.3199

■ 17.0670, 0.3095,
0.2958

■ 23.8284, 0.3139,
0.3427

■ 14.3012, 0.3066,
0.2707

■ 27.8551, 0.3154,
0.3640

■ 11.9229, 0.3032,
0.2453

■ 32.3321, 0.3166,
0.3836

■ 9.9139, 0.2992,
0.2203

■ 37.2729, 0.3175,
0.4016

■ 8.2543, 0.2948,
0.1965

■ 42.6908, 0.3182,
0.4179

■ 6.9225, 0.2899,
0.1750

■ 48.5983, 0.3187,
0.4327

■ 5.8945, 0.2848,
0.1568

■ 55.0077, 0.3190,
0.4461

■ 5.1428, 0.2795,
0.1424

■ 61.9306, 0.3192,
0.4581

■ 4.6320, 0.2742,
0.1321

■ 69.3783, 0.3193,
0.4690

Harmonies

Analogous

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



20.2365, 0.3060, 0.3185



20.2365, 0.3119, 0.3199



20.2365, 0.3180, 0.3237

Triad

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



20.2365, 0.3119, 0.3199



20.2365, 0.3235, 0.3381



20.2365, 0.3028, 0.3290

Complementary

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



20.2365, 0.3119, 0.3199



21.1592, 0.3135, 0.3382

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.



20.2365, 0.3074, 0.3344



20.2365, 0.3119, 0.3199



20.2365, 0.3194, 0.3397

Square

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



20.2365, 0.3119, 0.3199



20.2365, 0.3248, 0.3342



20.2365, 0.3135, 0.3384



20.2365, 0.3008, 0.3237

Rectangle

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



20.2365, 0.3119, 0.3199



20.2365, 0.3214, 0.3271



20.2365, 0.3135, 0.3384



20.2365, 0.3041, 0.3309

Sweetspot

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



20.2374, 0.3119, 0.3199



37.3714, 0.3125, 0.3266



20.2085, 0.3071, 0.3218



8.7600, 0.3125, 0.3268



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.



20.2374, 0.3119, 0.3199



34.9125, 0.3116, 0.3171



20.2795, 0.3147, 0.3225



4.6468, 0.3116, 0.3162



4.3315, 0.2710, 0.1267



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.2139, 0.3177, 0.3271



34.8596, 0.3193, 0.3266



21.1189, 0.3107, 0.3356



4.6393, 0.3197, 0.3264



4.6258, 0.5992, 0.3075



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.2365, 0.3119, 0.3199 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 20.2365, 0.3119, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

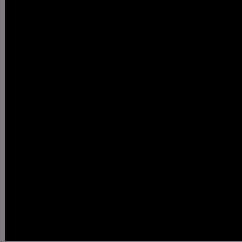
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

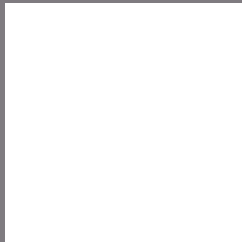
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.2365, 0.3119, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 20.2365, 0.3119, 0.3199.



This preview shows how white text looks on a background with the Yxy color 20.2365, 0.3119, 0.3199.

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

20.2365, 0.3119, 0.3199

Protanopia

20.3338, 0.3095, 0.3217

Deuteranopia

20.0863, 0.3197, 0.3131



Tritanopia

20.1742, 0.3087, 0.3110

Trichromacy



Original Color

20.2365, 0.3119, 0.3199

Protanomaly

20.4094, 0.3107, 0.3217

Deuteranomaly

20.0850, 0.3158, 0.3147

Tritanomaly

20.1470, 0.3098, 0.3128

Monochromacy



Original Color

20.2365, 0.3119, 0.3199

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3573, 0.3129, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2365, 0.3119, 0.3199 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, 123, 128)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 123, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 123, 128) }
```

Border

The CSS property to change the border of an element to Yxy 20.2365, 0.3119, 0.3199 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, 123, 128) }
```

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

```
.border{ border-color:rgb(127, 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(127, 123, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 123, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 123, 128);  
box-shadow:4px 4px 4px 4px rgb(127, 123,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2365, 0.3119, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 123, 128) }
```

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

```
.background{ background-color: rgb(127,  
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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