

Converting Colors

$Y_{xy}(19.9647, 0.3119, 0.3460)$

Have a look what the booklet for
Yxy(19.9647, 0.3119, 0.3460)
contains.

Yxy(19.9880, 0.3119, 0.3462)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9880, 0.3119, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	757E75
RGB	117, 126, 117
RGB Percent	46%, 49%, 46%
CMY	0.5412, 0.5059, 0.5412
CMYK	0.07, 0.00, 0.07, 0.51
HSL	120°, 4%, 48%
HSV	120°, 7%, 49%
XYZ	18.0077, 19.9880, 19.7397
YIQ	122.2830, -2.4750, -4.7070

Conversions

Conversions Part 2

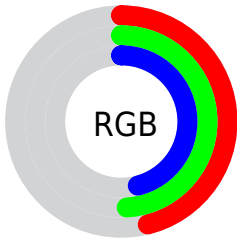
Format	Color
R_{YB}	117, 126, 126
Decimal	7700085
CIE _{Lab}	51.82, -5.17, 3.74
CIE _{LCh}	52, 6.383, 144.098
Yxy	19.9880, 0.3119, 0.3462
Android (android.graphics.Color)	4285890165 (0xFF757E75)
YUV	122.2830, -2.6045, -4.6332
Hunter-Lab	44.7079, -6.3418, 5.1175

Details

The Yxy color **19.9880, 0.3119, 0.3462** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.6641, 0.3135, 0.3124**, and the grayscale version is **19.5691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5398, 0.3121, 0.3427**, and **7.0026, 0.3116, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **18.8975, 0.3106, 0.3730**, and if you desaturate by 10%, it is **21.2376, 0.3130, 0.3226**.

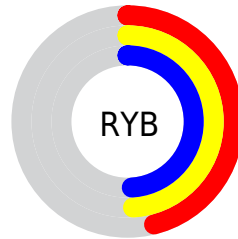
Distribution



Red (46%)

Green (49%)

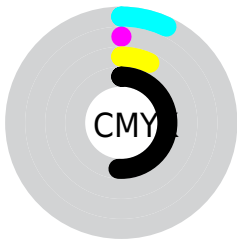
Blue (46%)



Red (46%)

Yellow (49%)

Blue (49%)

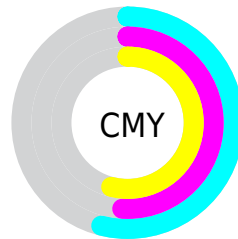


Cyan (7%)

Magenta (0%)

Yellow (7%)

Black (51%)



Cyan (54%)

Magenta (51%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9880, 0.3119, 0.3462 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 19.9880, 0.3119, 0.3462 by changing the saturation by 10% instead.

■ 19.9880, 0.3119,
0.3462

■ 19.9880, 0.3119,
0.3462

251.8501, 0.3124,
0.3363

■ 12.3863, 0.3117,
0.3493

■ 43.3971, 0.3121,
0.3422

■ 7.0074, 0.3114,
0.3536

■ 59.9732, 0.3122,
0.3408

■ 3.4667, 0.3110,
0.3604

■ 80.3097, 0.3122,
0.3397

■ 1.3800, 0.3100,
0.3723

104.7908, 0.3123,
0.3388

■ 0.2019, 0.2454,
0.7546

133.8011, 0.3123,
0.3380

■ 0.0000, 0.0000,
0.0000

167.7248, 0.3124,

0.3374

206.9463, 0.3124,
0.3368

■ 19.9880, 0.3119,
0.3462

■ 19.9880, 0.3119,
0.3462

■ 18.8975, 0.3106,
0.3730

■ 21.2376, 0.3130,
0.3226

■ 17.9572, 0.3092,
0.4030

■ 22.6495, 0.3140,
0.3020

■ 17.1613, 0.3077,
0.4356

■ 24.2303, 0.3148,
0.2843

■ 16.5027, 0.3061,
0.4698

■ 25.9851, 0.3156,
0.2689

■ 15.9737, 0.3045,
0.5040

■ 27.9192, 0.3162,
0.2558

■ 15.5656, 0.3030,
0.5359

■ 30.0374, 0.3167,
0.2444

■ 15.2690, 0.3017,
0.5630

■ 32.3444, 0.3172,
0.2346

■ 15.0728, 0.3008,
0.5831

■ 34.8447, 0.3176,
0.2262

■ 14.9540, 0.3001,
0.5963

■ 37.5427, 0.3180,
0.2188

Harmonies

Analogous

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



19.9880, 0.3236, 0.3497



19.9880, 0.3119, 0.3462



19.9880, 0.3006, 0.3378

Triad

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



19.9880, 0.3119, 0.3462



19.9880, 0.2932, 0.3106



19.9880, 0.3333, 0.3305

Complementary

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



19.9880, 0.3119, 0.3462



18.6641, 0.3135, 0.3124

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.



19.9880, 0.3248, 0.3204



19.9880, 0.3119, 0.3462



19.9880, 0.3016, 0.3090

Square

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



19.9880, 0.3119, 0.3462



19.9880, 0.2899, 0.3170



19.9880, 0.3132, 0.3126



19.9880, 0.3361, 0.3404

Rectangle

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



19.9880, 0.3119, 0.3462



19.9880, 0.2947, 0.3307



19.9880, 0.3132, 0.3126



19.9880, 0.3310, 0.3270

Sweetspot

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



19.9889, 0.3119, 0.3462



36.2684, 0.3125, 0.3338



20.6429, 0.3228, 0.3457



8.2572, 0.3125, 0.3334



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



19.9889, 0.3119, 0.3462



34.7640, 0.3116, 0.3515



20.0972, 0.3070, 0.3375



4.8188, 0.3117, 0.3512



15.3085, 0.3000, 0.5999



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.6641, 0.3135, 0.3124



31.7995, 0.3137, 0.3075



18.5506, 0.3188, 0.3206



4.4124, 0.3137, 0.3078



6.0931, 0.3211, 0.1543



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.9880, 0.3119, 0.3462 looks on a white background.

Color Contrast Check

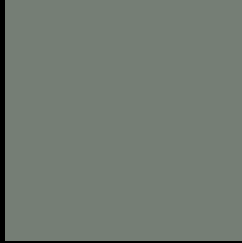
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9880, 0.3119, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

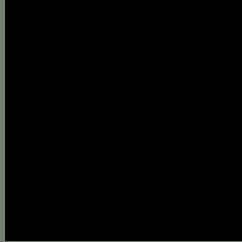
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

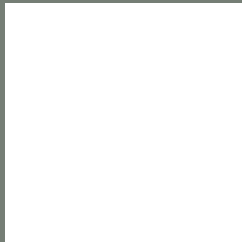
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9880, 0.3119, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 19.9880, 0.3119, 0.3462.

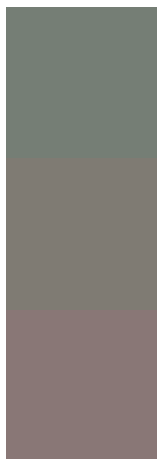


This preview shows how white text looks on a background with the Yxy color 19.9880, 0.3119, 0.3462.

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

19.9880, 0.3119, 0.3462

Protanopia

19.9157, 0.3269, 0.3439

Deuteranopia

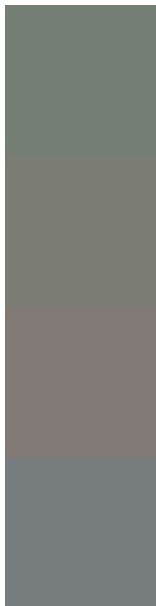
19.8200, 0.3369, 0.3309



Tritanopia

20.1018, 0.2982, 0.3124

Trichromacy



Original Color

19.9880, 0.3119, 0.3462

Protanomaly

19.8872, 0.3206, 0.3441

Deuteranomaly

19.9729, 0.3273, 0.3364

Tritanomaly

20.1215, 0.3034, 0.3252

Monochromacy



Original Color

19.9880, 0.3119, 0.3462

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5151, 0.3124, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9880, 0.3119, 0.3462 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(117, 126, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 126, 117)  
}
```

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(117, 126, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 126, 117) }
```

Border

The CSS property to change the border of an element to Yxy 19.9880, 0.3119, 0.3462 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(117, 126, 117) }
```

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

```
.border{ border-color:rgb(117, 126, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 126, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 126, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 126, 117);  
box-shadow:4px 4px 4px 4px rgb(117, 126,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9880, 0.3119, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 126, 117) }
```

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

```
.background{ background-color: rgb(117,  
126, 117) }
```

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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