

Converting Colors

$Y_{xy}(20.7810, 0.3445, 0.3202)$

Have a look what the booklet for
Yxy(20.7810, 0.3445, 0.3202)
contains.

Yxy(20.7080, 0.3439, 0.3189)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7080, 0.3439, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	94767C
RGB	148, 118, 124
RGB Percent	58%, 46%, 49%
CMY	0.4196, 0.5373, 0.5136
CMYK	0.00, 0.20, 0.16, 0.42
HSL	348°, 12%, 52%
HSV	348°, 20%, 58%
XYZ	22.3314, 20.7080, 21.8963
YIQ	127.6540, 15.9540, 8.2260

Conversions

Conversions Part 2

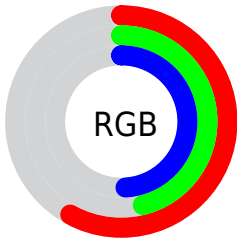
Format	Color
R_{YB}	148, 118, 124
Decimal	9729660
CIE _{Lab}	52.63, 12.72, 1.15
CIE _{LCh}	53, 12.769, 5.168
Yxy	20.7080, 0.3439, 0.3189
Android (android.graphics.Color)	4287919740 (0xFF94767C)
YUV	127.6540, -1.8014, 17.8434
Hunter-Lab	45.5060, 7.9606, 3.3254

Details

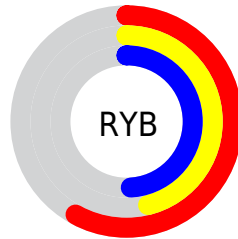
The Yxy color $20.7080, 0.3439, 0.3189$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $26.9862, 0.2885, 0.3394$, and the grayscale version is $21.4637, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.4406, 0.3369, 0.3216$, and $7.4297, 0.3575, 0.3166$ is the 20% darker color. If you saturate the color by 10%, you get $17.2107, 0.3648, 0.3136$, and if you desaturate by 10%, it is $24.7901, 0.3269, 0.3240$.

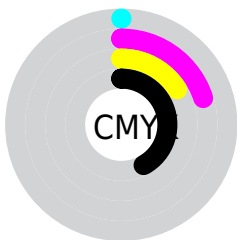
Distribution



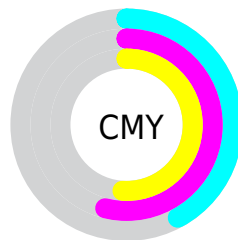
- Red (58%)
- Green (46%)
- Blue (49%)



- Red (58%)
- Yellow (46%)
- Blue (49%)



- Cyan (0%)
- Magenta (20%)
- Yellow (16%)
- Black (42%)





- Cyan (42%)
- Magenta (54%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7080, 0.3439, 0.3189 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 20.7080, 0.3439, 0.3189 by changing the saturation by 10% instead.


 20.7080, 0.3439,
0.3189


 20.7080, 0.3439,
0.3189


255.7226, 0.3262,
0.3247


 12.9107, 0.3492,
0.3171


 44.6011, 0.3368,
0.3212

 7.3671, 0.3568,
0.3146


 61.4656, 0.3344,
0.3220

 3.6927, 0.3683,
0.3107


 82.1214, 0.3324,
0.3227

 1.5032, 0.3877,
0.3039

106.9528, 0.3307,
0.3232

 0.2910, 0.5267,
0.2611

136.3443, 0.3293,
0.3237

 0.0000, 0.0000,
0.0000

170.6801, 0.3281,

0.3241

210.3447, 0.3271,
0.3244

■ 20.7080, 0.3439,
0.3189

■ 20.7080, 0.3439,
0.3189

■ 17.2107, 0.3648,
0.3136

■ 24.7901, 0.3269,
0.3240

■ 14.2686, 0.3902,
0.3083

■ 29.4792, 0.3131,
0.3289

■ 11.8539, 0.4205,
0.3036

■ 34.7997, 0.3018,
0.3333

■ 9.9352, 0.4558,
0.3000

■ 40.7738, 0.2926,
0.3374

■ 8.4778, 0.4949,
0.2983

■ 47.4229, 0.2851,
0.3411

■ 7.4424, 0.5352,
0.2994

■ 54.7670, 0.2789,
0.3445

■ 6.7830, 0.5727,
0.3039

■ 62.8255, 0.2737,
0.3476

■ 6.3889, 0.6035,
0.3098

■ 71.6172, 0.2694,
0.3504

■ 81.1599, 0.2658,
0.3529

Harmonies

Analogous

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



20.7080, 0.3222, 0.3021



20.7080, 0.3439, 0.3189



20.7080, 0.3572, 0.3387

Triad

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



20.7080, 0.3439, 0.3189



20.7080, 0.3256, 0.3695



20.7080, 0.2693, 0.2993

Complementary

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



20.7080, 0.3439, 0.3189



26.9862, 0.2885, 0.3394

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.



20.7080, 0.2702, 0.3166



20.7080, 0.3439, 0.3189



20.7080, 0.3021, 0.3584

Square

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



20.7080, 0.3439, 0.3189



20.7080, 0.3462, 0.3685



20.7080, 0.2820, 0.3385



20.7080, 0.2795, 0.2906

Rectangle

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



20.7080, 0.3439, 0.3189



20.7080, 0.3592, 0.3513



20.7080, 0.2820, 0.3385



20.7080, 0.2683, 0.3043

Sweetspot

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



20.7089, 0.3439, 0.3189



47.0412, 0.3208, 0.3261



20.8020, 0.3072, 0.2791



10.6316, 0.3216, 0.3258



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.7089, 0.3439, 0.3189



33.8187, 0.3522, 0.3167



22.6548, 0.3488, 0.3434



5.8333, 0.3253, 0.3246



5.4599, 0.6021, 0.3090



0.0703, 0.5064, 0.2564

Inverse Universe

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



20.7089, 0.3439, 0.3189



33.8187, 0.3522, 0.3167



24.6017, 0.2824, 0.3141



5.8333, 0.3253, 0.3246



5.4599, 0.6021, 0.3090



0.0703, 0.5064, 0.2564

Previews

White Background



This preview shows how the Yxy color 20.7080, 0.3439, 0.3189 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 20.7080, 0.3439, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

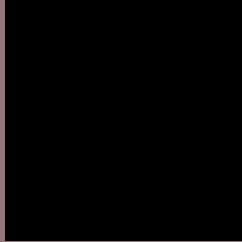
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7080, 0.3439, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 20.7080, 0.3439, 0.3189.



This preview shows how white text looks on a background with the Yxy color 20.7080, 0.3439, 0.3189.

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

20.7080, 0.3439, 0.3189

Protanopia

20.7378, 0.3118, 0.3236

Deuteranopia

20.8381, 0.3327, 0.3273



Tritanopia

20.7851, 0.3402, 0.3139

Trichromacy



Original Color

20.7080, 0.3439, 0.3189

Protanomaly

20.6023, 0.3230, 0.3202

Deuteranomaly

20.8556, 0.3367, 0.3256

Tritanomaly

20.7591, 0.3414, 0.3156

Monochromacy



Original Color

20.7080, 0.3439, 0.3189

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.0985, 0.3227, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7080, 0.3439, 0.3189 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(148, 118, 124)` looks like.

```
.text, #text, p{  
    color:rgb(148, 118, 124)  
}
```

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(148, 118, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 118, 124) }
```

Border

The CSS property to change the border of an element to Yxy 20.7080, 0.3439, 0.3189 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(148, 118, 124) }
```

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

```
.border{ border-color:rgb(148, 118, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 118, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 118, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 118, 124);  
box-shadow:4px 4px 4px 4px rgb(148, 118,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7080, 0.3439, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 118, 124) }
```

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

```
.background{ background-color: rgb(148,  
118, 124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor