

Converting Colors

$Y_{xy}(20.0492, 0.3005, 0.3233)$

Have a look what the booklet for
Yxy(20.0492, 0.3005, 0.3233)
contains.

Yxy(20.0077, 0.3000, 0.3233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0077, 0.3000, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	757D80
RGB	117, 125, 128
RGB Percent	46%, 49%, 50%
CMY	0.5412, 0.5098, 0.4980
CMYK	0.09, 0.02, 0.00, 0.50
HSL	196°, 5%, 48%
HSV	196°, 9%, 50%
XYZ	18.5658, 20.0077, 23.3124
YIQ	122.9500, -5.7310, -0.7630

Conversions

Conversions Part 2

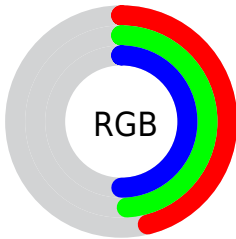
Format	Color
R_{YB}	117, 122, 128
Decimal	7699840
CIE _{Lab}	51.85, -2.33, -2.67
CIE _{LCh}	52, 3.546, 228.913
Yxy	20.0077, 0.3000, 0.3233
Android (android.graphics.Color)	4285889920 (0xFF757D80)
YUV	122.9500, 2.4896, -5.2182
Hunter-Lab	44.7300, -4.1887, 0.4102

Details

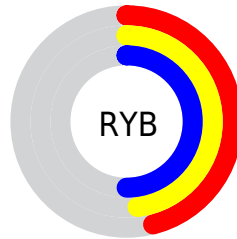
The Yxy color $20.0077, 0.3000, 0.3233$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $19.3088, 0.3264, 0.3346$, and the grayscale version is $19.7831, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.6120, 0.3026, 0.3249$, and $6.9986, 0.2951, 0.3202$ is the 20% darker color. If you saturate the color by 10%, you get $18.3110, 0.2853, 0.3161$, and if you desaturate by 10%, it is $21.8586, 0.3147, 0.3299$.

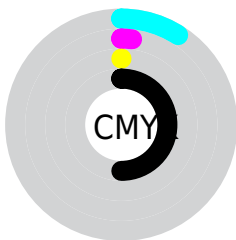
Distribution



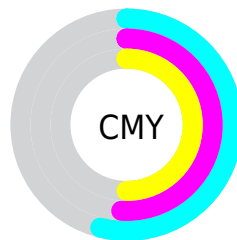
- Red (46%)
- Green (49%)
- Blue (50%)



- Red (46%)
- Yellow (48%)
- Blue (50%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)



- Cyan (54%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0077, 0.3000, 0.3233 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 20.0077, 0.3000, 0.3233 by changing the saturation by 10% instead.

■ 20.0077, 0.3000,
0.3233

■ 20.0077, 0.3000,
0.3233

251.9568, 0.3072,
0.3266

■ 12.4006, 0.2978,
0.3223

■ 43.4301, 0.3029,
0.3246

■ 7.0171, 0.2947,
0.3208

■ 60.0142, 0.3039,
0.3251

■ 3.4728, 0.2901,
0.3186

■ 80.3595, 0.3047,
0.3254

■ 1.3833, 0.2821,
0.3147

104.8503, 0.3054,
0.3258

■ 0.2044, 0.1829,
0.2721

133.8710, 0.3059,
0.3260

■ 0.0000, 0.0000,
0.0000

167.8061, 0.3064,

0.3262

207.0399, 0.3069,
0.3264

■ 20.0077, 0.3000,
0.3233

■ 20.0077, 0.3000,
0.3233

■ 18.3110, 0.2853,
0.3161

■ 21.8586, 0.3147,
0.3299

■ 16.7608, 0.2709,
0.3082

■ 23.8661, 0.3293,
0.3358

■ 15.3523, 0.2570,
0.2998

■ 26.0357, 0.3436,
0.3411

■ 14.0797, 0.2440,
0.2908

■ 28.3719, 0.3573,
0.3458

■ 12.9364, 0.2322,
0.2814

■ 30.8790, 0.3706,
0.3499

■ 11.9154, 0.2218,
0.2717

■ 33.5610, 0.3832,
0.3536

■ 11.0088, 0.2132,
0.2618

■ 36.4220, 0.3952,
0.3567

■ 10.2075, 0.2063,
0.2519

■ 39.4657, 0.4065,
0.3595

■ 9.4882, 0.2009,
0.2420

■ 42.6959, 0.4171,
0.3619

Harmonies

Analogous

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



20.0077, 0.3021, 0.3290



20.0077, 0.3000, 0.3233



20.0077, 0.3013, 0.3192

Triad

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



20.0077, 0.3000, 0.3233



20.0077, 0.3184, 0.3233



20.0077, 0.3198, 0.3405

Complementary

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



20.0077, 0.3000, 0.3233



19.3088, 0.3264, 0.3346

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.



20.0077, 0.3243, 0.3388



20.0077, 0.3000, 0.3233



20.0077, 0.3235, 0.3289

Square

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



20.0077, 0.3000, 0.3233



20.0077, 0.3119, 0.3193



20.0077, 0.3256, 0.3345



20.0077, 0.3135, 0.3390

Rectangle

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



20.0077, 0.3000, 0.3233



20.0077, 0.3039, 0.3179



20.0077, 0.3256, 0.3345



20.0077, 0.3216, 0.3402

Sweetspot

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



20.0085, 0.3000, 0.3233



36.9889, 0.3082, 0.3270



20.5793, 0.3086, 0.3443



8.6040, 0.3071, 0.3265



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.



20.0085, 0.3000, 0.3233



34.7163, 0.2976, 0.3222



18.6680, 0.3000, 0.3129



4.6943, 0.2993, 0.3230



9.3116, 0.2002, 0.2406



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.7913, 0.3172, 0.3143



32.2112, 0.3181, 0.3115



20.6555, 0.3254, 0.3446



4.3930, 0.3175, 0.3135



5.3345, 0.4017, 0.1986



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.0077, 0.3000, 0.3233 looks on a white background.

Color Contrast Check

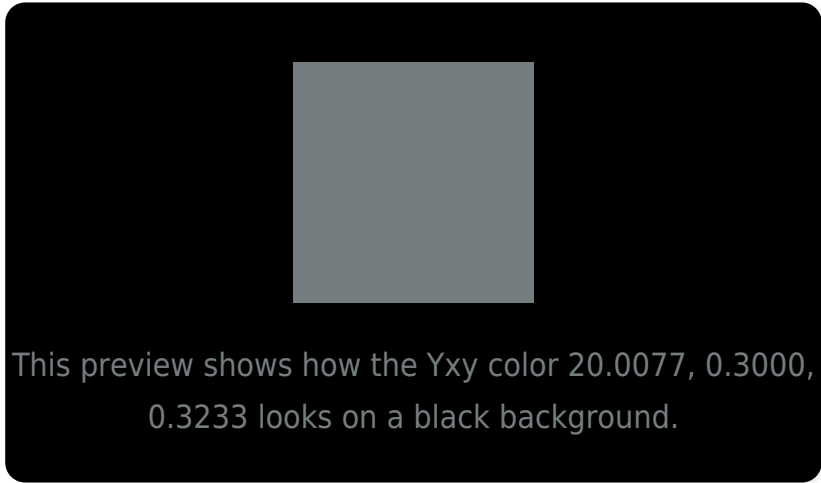
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

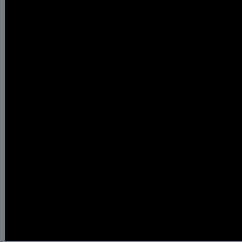
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

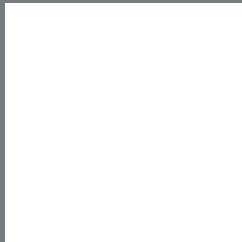
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0077, 0.3000, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 20.0077, 0.3000, 0.3233.



This preview shows how white text looks on a background with the Yxy color 20.0077, 0.3000, 0.3233.

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

20.0077, 0.3000, 0.3233

Protanopia

20.0582, 0.3106, 0.3217

Deuteranopia

20.0045, 0.3184, 0.3130



Tritanopia

19.9881, 0.2948, 0.3105

Trichromacy



Original Color

20.0077, 0.3000, 0.3233

Protanomaly

20.0852, 0.3070, 0.3234

Deuteranomaly

20.0161, 0.3109, 0.3163

Tritanomaly

19.9328, 0.2969, 0.3141

Monochromacy



Original Color

20.0077, 0.3000, 0.3233

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.9609, 0.3080, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0077, 0.3000, 0.3233 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, 125, 128)` looks like.

```
.text, #text, p{  
    color:rgb(117, 125, 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(117, 125, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 125, 128) }
```

Border

The CSS property to change the border of an element to Yxy 20.0077, 0.3000, 0.3233 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, 125, 128) }
```

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

```
.border{ border-color:rgb(117, 125, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 125, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 125, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 125, 128); box-shadow:4px 4px 4px 4px rgb(117, 125, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0077, 0.3000, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 125, 128) }
```

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

```
.background{ background-color: rgb(117,  
125, 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](#).

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