

Converting Colors

$Y_{xy}(19.9915, 0.3004, 0.2911)$

Have a look what the booklet for
Yxy(19.9915, 0.3004, 0.2911)
contains.

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Color

Yxy(20.0232, 0.3000, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	81788D
RGB	129, 120, 141
RGB Percent	51%, 47%, 55%
CMY	0.4943, 0.5293, 0.4471
CMYK	0.09, 0.15, 0.00, 0.45
HSL	266°, 8%, 51%
HSV	266°, 15%, 55%
XYZ	20.5718, 20.0232, 27.9776
YIQ	125.0850, -1.3770, 8.4390

Conversions

Conversions Part 2

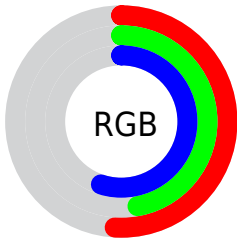
Format	Color
R_{YB}	129, 120, 141
Decimal	8485005
CIE _{Lab}	51.86, 7.69, -10.14
CIE _{LCh}	52, 12.727, 307.159
Yxy	20.0232, 0.3000, 0.2920
Android (android.graphics.Color)	4286675085 (0xFF81788D)
YUV	125.0850, 7.8461, 3.4335
Hunter-Lab	44.7473, 3.7545, -5.7471

Details

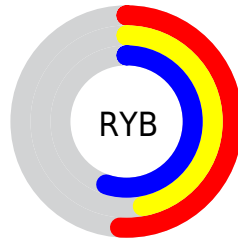
The Yxy color $20.0232, 0.3000, 0.2920$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $25.3152, 0.3241, 0.3656$, and the grayscale version is $20.5104, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.3903, 0.3028, 0.2993$, and $7.0955, 0.2949, 0.2785$ is the 20% darker color. If you saturate the color by 10%, you get $16.2693, 0.2898, 0.2646$, and if you desaturate by 10%, it is $24.3284, 0.3089, 0.3174$.

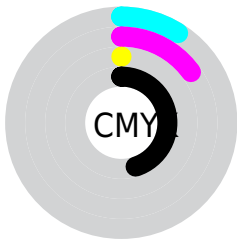
Distribution



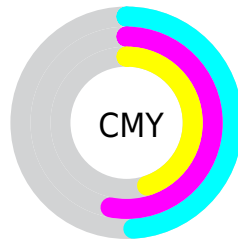
- Red (51%)
- Green (47%)
- Blue (55%)



- Red (51%)
- Yellow (47%)
- Blue (55%)



- Cyan (9%)
- Magenta (15%)
- Yellow (0%)
- Black (45%)



- Cyan (49%)
- Magenta (53%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0232, 0.3000, 0.2920 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 20.0232, 0.3000, 0.2920 by changing the saturation by 10% instead.

■ 20.0232, 0.3000,
0.2920

■ 20.0232, 0.3000,
0.2920

252.0407, 0.3074,
0.3127

■ 12.4119, 0.2977,
0.2860

■ 43.4561, 0.3030,
0.3001

■ 7.0249, 0.2944,
0.2776

■ 60.0465, 0.3040,
0.3030

■ 3.4777, 0.2894,
0.2652

■ 80.3986, 0.3048,
0.3053

■ 1.3859, 0.2807,
0.2451

104.8971, 0.3055,
0.3073

■ 0.2063, 0.2518,
0.1354

133.9261, 0.3061,
0.3089

■ 0.0000, 0.0000,
0.0000

167.8701, 0.3066,

0.3104

207.1135, 0.3070,
0.3116

■ 20.0232, 0.3000,
0.2920

■ 20.0232, 0.3000,
0.2920

■ 16.2693, 0.2898,
0.2646

■ 24.3284, 0.3089,
0.3174

■ 13.0414, 0.2782,
0.2356

■ 29.2039, 0.3165,
0.3406

■ 10.3156, 0.2654,
0.2059

■ 34.6710, 0.3229,
0.3616

■ 8.0655, 0.2516,
0.1764

■ 40.7488, 0.3284,
0.3803

■ 6.2619, 0.2373,
0.1486

■ 47.4560, 0.3329,
0.3971

■ 4.8725, 0.2229,
0.1239

■ 54.8102, 0.3368,
0.4120

■ 3.8604, 0.2092,
0.1039

■ 62.8282, 0.3400,
0.4253

■ 3.1765, 0.1968,
0.0892

■ 71.5265, 0.3426,
0.4371

■ 2.8853, 0.1909,
0.0825

■ 80.9208, 0.3448,
0.4476

Harmonies

Analogous

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



20.0232, 0.2803, 0.2901



20.0232, 0.3000, 0.2920



20.0232, 0.3239, 0.3028

Triad

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



20.0232, 0.3000, 0.2920



20.0232, 0.3579, 0.3581



20.0232, 0.2807, 0.3371

Complementary

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



20.0232, 0.3000, 0.2920



25.3152, 0.3241, 0.3656

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.



20.0232, 0.3005, 0.3575



20.0232, 0.3000, 0.2920



20.0232, 0.3453, 0.3693

Square

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



20.0232, 0.3000, 0.2920



20.0232, 0.3580, 0.3400



20.0232, 0.3242, 0.3694



20.0232, 0.2695, 0.3152

Rectangle

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



20.0232, 0.3000, 0.2920



20.0232, 0.3389, 0.3138



20.0232, 0.3242, 0.3694



20.0232, 0.2865, 0.3444

Sweetspot

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



20.0240, 0.3000, 0.2920



44.2246, 0.3095, 0.3193



22.4892, 0.2904, 0.3133



9.7517, 0.3089, 0.3177



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.0240, 0.3000, 0.2920



33.3928, 0.2966, 0.2826



20.8708, 0.3123, 0.2934



5.3602, 0.3052, 0.3067



2.6401, 0.1913, 0.0827



0.0378, 0.2410, 0.1101

Inverse Universe

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



20.7675, 0.3248, 0.3084



35.0146, 0.3281, 0.3033



24.5254, 0.3128, 0.3669



5.4727, 0.3198, 0.3164



5.7075, 0.4603, 0.2309



0.0590, 0.3865, 0.1903

Previews

White Background



This preview shows how the Yxy color 20.0232, 0.3000, 0.2920 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 20.0232, 0.3000, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

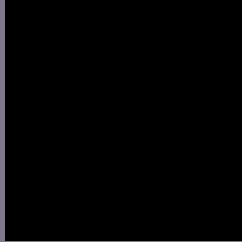
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0232, 0.3000, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 20.0232, 0.3000, 0.2920.



This preview shows how white text looks on a background with the Yxy color 20.0232, 0.3000, 0.2920.

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

20.0232, 0.3000, 0.2920

Protanopia

20.1422, 0.2878, 0.2929

Deuteranopia

20.1870, 0.2989, 0.2936



Tritanopia

20.0698, 0.3086, 0.3127

Trichromacy



Original Color

20.0232, 0.3000, 0.2920

Protanomaly

20.0830, 0.2921, 0.2932

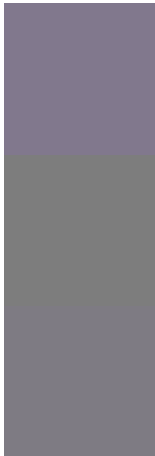
Deuteranomaly

20.1870, 0.2989, 0.2936

Tritanomaly

20.0132, 0.3054, 0.3039

Monochromacy



Original Color

20.0232, 0.3000, 0.2920

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2402, 0.3074, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0232, 0.3000, 0.2920 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(129, 120, 141)` looks like.

```
.text, #text, p{  
    color:rgb(129, 120, 141)  
}
```

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(129, 120, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 120, 141) }
```

Border

The CSS property to change the border of an element to Yxy 20.0232, 0.3000, 0.2920 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(129, 120, 141) }
```

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

```
.border{ border-color:rgb(129, 120, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 120, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 120, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 120, 141);  
box-shadow:4px 4px 4px 4px rgb(129, 120,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0232, 0.3000, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 120, 141) }
```

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

```
.background{ background-color: rgb(129,  
120, 141) }
```

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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