

Converting Colors

$Y_{xy}(20.0833, 0.2961, 0.3123)$

Have a look what the booklet for
Yxy(20.0833, 0.2961, 0.3123)
contains.

Yxy(19.9603, 0.2959, 0.3123)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.9603, 0.2959, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	767C85
RGB	118, 124, 133
RGB Percent	46%, 49%, 52%
CMY	0.5372, 0.5137, 0.4785
CMYK	0.11, 0.07, 0.00, 0.48
HSL	216°, 6%, 49%
HSV	216°, 11%, 52%
XYZ	18.9121, 19.9603, 25.0415
YIQ	123.2320, -6.4650, 1.5270

Conversions

Conversions Part 2

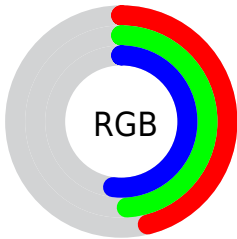
Format	Color
R_{YB}	118, 122, 133
Decimal	7765125
CIE Lab	51.79, -0.31, -5.65
CIE LCh	52, 5.661, 266.901
Yxy	19.9603, 0.2959, 0.3123
Android (android.graphics.Color)	4285955205 (0xFF767C85)
YUV	123.2320, 4.8156, -4.5885
Hunter-Lab	44.6770, -2.6242, -1.9582

Details

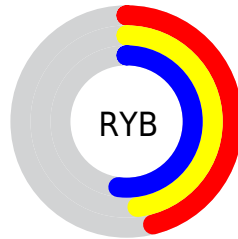
The Yxy color **19.9603, 0.2959, 0.3123** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.4695, 0.3300, 0.3452**, and the grayscale version is **19.8736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1419, 0.2996, 0.3155**, and **6.9743, 0.2888, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **17.1761, 0.2801, 0.2957**, and if you desaturate by 10%, it is **23.0392, 0.3109, 0.3272**.

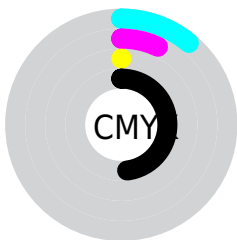
Distribution



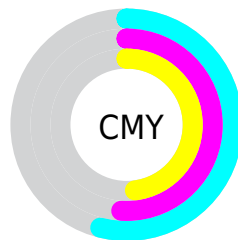
- Red (46%)
- Green (49%)
- Blue (52%)



- Red (46%)
- Yellow (48%)
- Blue (52%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (48%)



- Cyan (54%)
- Magenta (51%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9603, 0.2959, 0.3123 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 19.9603, 0.2959, 0.3123 by changing the saturation by 10% instead.

■ 19.9603, 0.2959,
0.3123

■ 19.9603, 0.2959,
0.3123

251.7001, 0.3055,
0.3218

■ 12.3662, 0.2930,
0.3094

■ 43.3506, 0.2997,
0.3161

■ 6.9936, 0.2889,
0.3054

■ 59.9156, 0.3010,
0.3174

■ 3.4581, 0.2827,
0.2992

■ 80.2397, 0.3021,
0.3185

■ 1.3753, 0.2722,
0.2886

104.7072, 0.3030,
0.3194

■ 0.1984, 0.1828,
0.2003

133.7027, 0.3038,
0.3201

■ 0.0000, 0.0000,
0.0000

167.6104, 0.3044,

0.3208

206.8147, 0.3050,
0.3213

■ 19.9603, 0.2959,
0.3123

■ 19.9603, 0.2959,
0.3123

■ 17.1761, 0.2801,
0.2957

■ 23.0392, 0.3109,
0.3272

■ 14.6747, 0.2637,
0.2773

■ 26.4189, 0.3249,
0.3405

■ 12.4472, 0.2471,
0.2574

■ 30.1089, 0.3380,
0.3523

■ 10.4831, 0.2306,
0.2362

■ 34.1171, 0.3501,
0.3626

■ 8.7714, 0.2148,
0.2140

■ 38.4514, 0.3612,
0.3716

■ 7.2998, 0.2003,
0.1915

■ 43.1191, 0.3714,
0.3796

■ 6.0551, 0.1876,
0.1693

■ 48.1276, 0.3808,
0.3865

■ 5.0221, 0.1773,
0.1483

■ 53.4838, 0.3893,
0.3926

■ 4.2616, 0.1698,
0.1311

■ 59.1945, 0.3971,
0.3979

Harmonies

Analogous

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



19.9603, 0.2925, 0.3177



19.9603, 0.2959, 0.3123



19.9603, 0.3038, 0.3114

Triad

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



19.9603, 0.2959, 0.3123



19.9603, 0.3314, 0.3312



19.9603, 0.3110, 0.3437

Complementary

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



19.9603, 0.2959, 0.3123



21.4695, 0.3300, 0.3452

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.



19.9603, 0.3215, 0.3473



19.9603, 0.2959, 0.3123



19.9603, 0.3334, 0.3398

Square

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



19.9603, 0.2959, 0.3123



19.9603, 0.3243, 0.3222



19.9603, 0.3297, 0.3458



19.9603, 0.3011, 0.3359

Rectangle

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



19.9603, 0.2959, 0.3123



19.9603, 0.3106, 0.3133



19.9603, 0.3297, 0.3458



19.9603, 0.3146, 0.3454

Sweetspot

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



19.9611, 0.2959, 0.3123



40.2340, 0.3082, 0.3247



22.1492, 0.3024, 0.3405



8.9702, 0.3072, 0.3236



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.9611, 0.2959, 0.3123



34.1763, 0.2912, 0.3074



18.5910, 0.2972, 0.3011



4.8280, 0.2992, 0.3156



4.0751, 0.1699, 0.1315



0.0278, 0.1926, 0.2134

Inverse Universe

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



19.3988, 0.3246, 0.3182



32.9618, 0.3283, 0.3152



22.9643, 0.3273, 0.3557



4.7173, 0.3222, 0.3203



4.9983, 0.5306, 0.2696



0.0187, 0.4304, 0.2145

Previews

White Background



This preview shows how the Yxy color 19.9603, 0.2959, 0.3123 looks on a white background.

Color Contrast Check

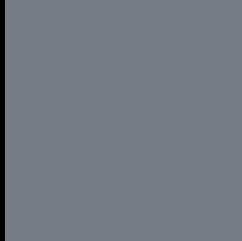
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9603, 0.2959, 0.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

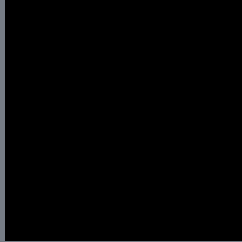
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

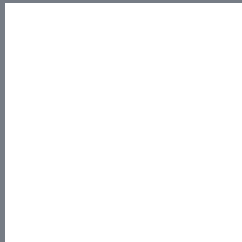
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9603, 0.2959, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 19.9603, 0.2959, 0.3123.



This preview shows how white text looks on a background with the Yxy color 19.9603, 0.2959, 0.3123.

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

19.9603, 0.2959, 0.3123

Protanopia

20.0428, 0.3027, 0.3125

Deuteranopia

19.9795, 0.3102, 0.3041



Tritanopia

19.9881, 0.2948, 0.3105

Trichromacy



Original Color

19.9603, 0.2959, 0.3123

Protanomaly

19.8968, 0.3004, 0.3124

Deuteranomaly

19.8316, 0.3041, 0.3055

Tritanomaly

19.9881, 0.2948, 0.3105

Monochromacy



Original Color

19.9603, 0.2959, 0.3123

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.7632, 0.3058, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9603, 0.2959, 0.3123 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(118, 124, 133)` looks like.

```
.text, #text, p{  
    color:rgb(118, 124, 133)  
}
```

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(118, 124, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 124, 133) }
```

Border

The CSS property to change the border of an element to Yxy 19.9603, 0.2959, 0.3123 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(118, 124, 133) }
```

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

```
.border{ border-color:rgb(118, 124, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 124, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 124, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 124, 133);  
box-shadow:4px 4px 4px 4px rgb(118, 124,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9603, 0.2959, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 124, 133) }
```

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

```
.background{ background-color: rgb(118,  
124, 133) }
```

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