

Converting Colors

$Y_{xy}(19.9801, 0.2642, 0.3229)$

Have a look what the booklet for
Yxy(19.9801, 0.2642, 0.3229)
contains.

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Color

Yxy(19.9801, 0.2642, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	578386
RGB	87, 131, 134
RGB Percent	34%, 51%, 53%
CMY	0.6589, 0.4862, 0.4745
CMYK	0.35, 0.02, 0.00, 0.47
HSL	184°, 21%, 43%
HSV	184°, 35%, 53%
XYZ	16.3479, 19.9801, 25.5490
YIQ	118.1860, -27.1870, -8.3950

Conversions

Conversions Part 2

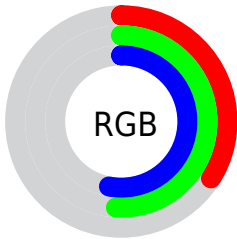
Format	Color
R_{YB}	87, 110, 134
Decimal	5735302
CIE _{Lab}	51.81, -14.24, -6.44
CIE _{LCh}	52, 15.628, 204.321
Yxy	19.9801, 0.2642, 0.3229
Android (android.graphics.Color)	4283925382 (0xFF578386)
YUV	118.1860, 7.7963, -27.3501
Hunter-Lab	44.6991, -12.9402, -2.5995

Details

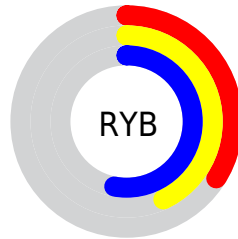
The Yxy color **19.9801, 0.2642, 0.3229** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.0629, 0.3899, 0.3350**, and the grayscale version is **18.1582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3578, 0.2752, 0.3246**, and **6.9183, 0.2449, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **19.1667, 0.2528, 0.3209**, and if you desaturate by 10%, it is **20.9167, 0.2769, 0.3248**.

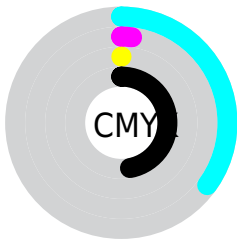
Distribution



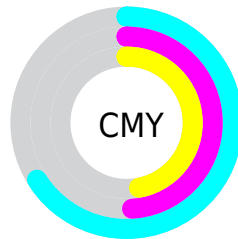
- Red (34%)
- Green (51%)
- Blue (53%)



- Red (34%)
- Yellow (43%)
- Blue (53%)



- Cyan (35%)
- Magenta (2%)
- Yellow (0%)
- Black (47%)





- Cyan (66%)
- Magenta (49%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9801, 0.2642, 0.3229 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 19.9801, 0.2642, 0.3229 by changing the saturation by 10% instead.


 19.9801, 0.2642,
0.3229


 19.9801, 0.2642,
0.3229


251.8074, 0.2915,
0.3268


 12.3806, 0.2561,
0.3215


 43.3838, 0.2750,
0.3246


 7.0034, 0.2449,
0.3194


 59.9568, 0.2788,
0.3251

 3.4642, 0.2282,
0.3158

 80.2897, 0.2819,
0.3256

 1.3786, 0.2008,
0.3087

 104.7670, 0.2844,
0.3259

 0.2009, 0.0000,
0.2310

 133.7730, 0.2866,
0.3262

 0.0000, 0.0000,
0.0000

167.6921, 0.2885,

0.3264

206.9088, 0.2901,
0.3266

■ 19.9801, 0.2642,
0.3229

■ 19.9801, 0.2642,
0.3229

■ 19.1667, 0.2528,
0.3209

■ 20.9167, 0.2769,
0.3248

■ 18.4675, 0.2429,
0.3189

■ 21.9802, 0.2906,
0.3266

■ 17.8760, 0.2347,
0.3168

■ 23.1772, 0.3051,
0.3282

■ 17.3840, 0.2283,
0.3147

■ 24.5130, 0.3201,
0.3297

■ 16.9823, 0.2236,
0.3126

■ 25.9926, 0.3354,
0.3311

■ 16.6574, 0.2206,
0.3106

■ 27.6210, 0.3506,
0.3323

■ 16.5084, 0.2193,
0.3096

■ 29.4027, 0.3657,
0.3334

■ 31.3420, 0.3805,
0.3344

■ 33.4431, 0.3948,
0.3352

Harmonies

Analogous

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



19.9801, 0.2828, 0.3505



19.9801, 0.2642, 0.3229



19.9801, 0.2582, 0.2987

Triad

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



19.9801, 0.2642, 0.3229



19.9801, 0.3136, 0.2904



19.9801, 0.3610, 0.3738

Complementary

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



19.9801, 0.2642, 0.3229



13.0629, 0.3899, 0.3350

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.



19.9801, 0.3704, 0.3554



19.9801, 0.2642, 0.3229



19.9801, 0.3424, 0.3084

Square

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



19.9801, 0.2642, 0.3229



19.9801, 0.2857, 0.2816



19.9801, 0.3636, 0.3317



19.9801, 0.3385, 0.3807

Rectangle

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



19.9801, 0.2642, 0.3229



19.9801, 0.2618, 0.2877



19.9801, 0.3636, 0.3317



19.9801, 0.3658, 0.3687

Sweetspot

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



19.9809, 0.2642, 0.3229



39.5106, 0.2961, 0.3272



19.8021, 0.3058, 0.4243



8.8493, 0.2945, 0.3270



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.



19.9809, 0.2642, 0.3229



34.0633, 0.2552, 0.3214



14.5001, 0.2580, 0.2749



5.2295, 0.2992, 0.3276



15.4765, 0.2193, 0.3096



0.0574, 0.2222, 0.3199

Inverse Universe

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



13.5195, 0.3209, 0.2502



21.0101, 0.3229, 0.2334



17.5304, 0.3755, 0.3774



4.7579, 0.3146, 0.3089



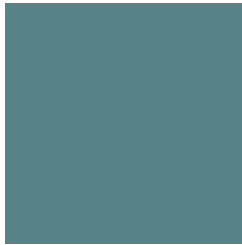
6.1493, 0.3370, 0.1630



0.0217, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 19.9801, 0.2642, 0.3229 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 19.9801, 0.2642, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

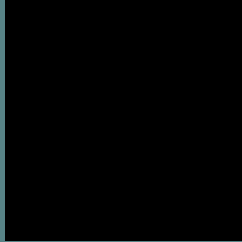
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9801, 0.2642, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 19.9801, 0.2642, 0.3229.



This preview shows how white text looks on a background with the Yxy color 19.9801, 0.2642, 0.3229.

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

19.9801, 0.2642, 0.3229

Protanopia

19.7891, 0.3073, 0.3161

Deuteranopia

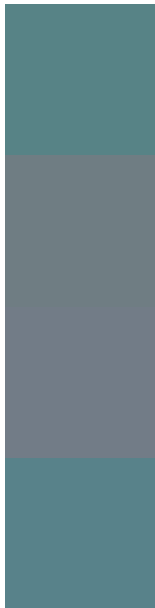
19.8776, 0.3055, 0.3005



Tritanopia

19.9826, 0.2606, 0.3093

Trichromacy



Original Color

19.9801, 0.2642, 0.3229

Protanomaly

19.6854, 0.2901, 0.3175

Deuteranomaly

19.7420, 0.2893, 0.3084

Tritanomaly

19.8749, 0.2614, 0.3131

Monochromacy



Original Color

19.9801, 0.2642, 0.3229

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.7470, 0.2927, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9801, 0.2642, 0.3229 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(87, 131, 134)` looks like.

```
.text, #text, p{  
    color:rgb(87, 131, 134)  
}
```

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(87, 131, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 131, 134) }
```

Border

The CSS property to change the border of an element to Yxy 19.9801, 0.2642, 0.3229 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(87, 131, 134) }
```

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

```
.border{ border-color:rgb(87, 131, 134) }
```

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

Here you see how a box with a 4 pixel rgb(87, 131, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 131, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 131, 134);  
box-shadow:4px 4px 4px 4px rgb(87, 131,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9801, 0.2642, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 131, 134) }
```

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

```
.background{ background-color: rgb(87, 131,  
134) }
```

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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