

Converting Colors

$Y_{xy}(19.2678, 0.2976, 0.4218)$

Have a look what the booklet for
Yxy(19.2678, 0.2976, 0.4218)
contains.

Yxy(19.2359, 0.2972, 0.4208)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(19.2359, 0.2972, 0.4208)$

Conversions

Conversions Part 1

Format	Color
Hex	50855B
RGB	80, 133, 91
RGB Percent	31%, 52%, 36%
CMY	0.6861, 0.4784, 0.6432
CMYK	0.40, 0.00, 0.32, 0.48
HSL	132°, 25%, 42%
HSV	132°, 40%, 52%
XYZ	13.5858, 19.2359, 12.8910
YIQ	112.3650, -18.1060, -24.2980

Conversions

Conversions Part 2

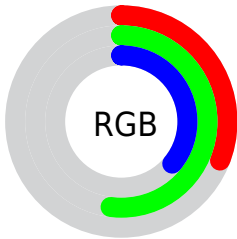
Format	Color
R_{YB}	80, 124, 133
Decimal	5277019
CIE _{Lab}	50.96, -27.20, 17.25
CIE _{LCh}	51, 32.208, 147.625
Yxy	19.2359, 0.2972, 0.4208
Android (android.graphics.Color)	4283467099 (0xFF50855B)
YUV	112.3650, -10.5329, -28.3841
Hunter-Lab	43.8588, -21.4601, 13.2746

Details

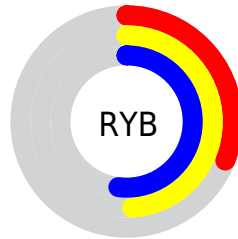
The Yxy color **19.2359, 0.2972, 0.4208** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.1353, 0.3338, 0.2522**, and the grayscale version is **16.3540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3693, 0.3023, 0.3991**, and **6.6520, 0.2868, 0.4650** is the 20% darker color. If you saturate the color by 10%, you get **18.5442, 0.2941, 0.4490**, and if you desaturate by 10%, it is **20.0694, 0.3008, 0.3943**.

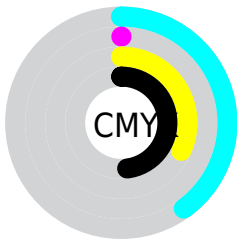
Distribution



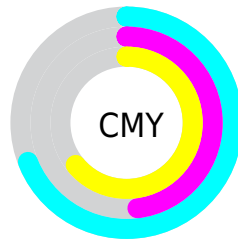
- Red (31%)
- Green (52%)
- Blue (36%)



- Red (31%)
- Yellow (49%)
- Blue (52%)



- Cyan (40%)
- Magenta (0%)
- Yellow (32%)
- Black (48%)





- Cyan (69%)
- Magenta (48%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2359, 0.2972, 0.4208 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 19.2359, 0.2972, 0.4208 by changing the saturation by 10% instead.


 19.2359, 0.2972,
0.4208


 19.2359, 0.2972,
0.4208


247.7480, 0.3074,
0.3658


 11.8409, 0.2933,
0.4389

 42.1323, 0.3017,
0.3980


 6.6354, 0.2871,
0.4657


 58.4025, 0.3031,
0.3903


 3.2352, 0.2759,
0.5090

 78.3999, 0.3043,
0.3842

 1.2557, 0.2630,
0.6748

 102.5088, 0.3051,
0.3792

 0.1065, 0.0000,
1.0000

 131.1137, 0.3058,
0.3750

 0.0000, 0.0000,
0.0000

164.5989, 0.3064,

0.3714

203.3489, 0.3069,
0.3684

■ 19.2359, 0.2972,
0.4208

■ 19.2359, 0.2972,
0.4208

■ 18.5442, 0.2941,
0.4490

■ 20.0694, 0.3008,
0.3943

■ 17.9841, 0.2918,
0.4779

■ 21.0496, 0.3047,
0.3700

■ 17.5477, 0.2905,
0.5064

■ 22.1840, 0.3088,
0.3481

■ 17.2253, 0.2904,
0.5329

■ 23.4789, 0.3128,
0.3287

■ 17.0057, 0.2915,
0.5560

■ 24.9403, 0.3167,
0.3116

■ 16.8585, 0.2930,
0.5747

■ 26.5738, 0.3204,
0.2966

■ 16.8560, 0.2931,
0.5750

■ 28.3848, 0.3239,
0.2836

■ 30.3785, 0.3272,
0.2722

■ 32.5598, 0.3303,
0.2624

Harmonies

Analogous

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



19.2359, 0.3562, 0.4396



19.2359, 0.2972, 0.4208



19.2359, 0.2453, 0.3679

Triad

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



19.2359, 0.2972, 0.4208



19.2359, 0.2224, 0.2373



19.2359, 0.4232, 0.3356

Complementary

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



19.2359, 0.2972, 0.4208



12.1353, 0.3338, 0.2522

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.



19.2359, 0.3803, 0.2914



19.2359, 0.2972, 0.4208



19.2359, 0.2622, 0.2371

Square

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



19.2359, 0.2972, 0.4208



19.2359, 0.2055, 0.2601



19.2359, 0.3194, 0.2565



19.2359, 0.4322, 0.3820

Rectangle

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



19.2359, 0.2972, 0.4208



19.2359, 0.2212, 0.3260



19.2359, 0.3194, 0.2565



19.2359, 0.4122, 0.3202

Sweetspot

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



19.2367, 0.2972, 0.4208



39.2042, 0.3078, 0.3533



21.5215, 0.3566, 0.4283



8.7830, 0.3074, 0.3555



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.



19.2367, 0.2972, 0.4208



33.2924, 0.2943, 0.4469



19.7685, 0.2733, 0.3622



5.2194, 0.3091, 0.3467



16.0572, 0.2930, 0.5747



0.0565, 0.2741, 0.5068

Inverse Universe

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



12.1353, 0.3338, 0.2522



18.6774, 0.3401, 0.2352



11.5721, 0.3783, 0.2988



4.7468, 0.3166, 0.3119



5.7323, 0.3793, 0.1863



0.0209, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 19.2359, 0.2972, 0.4208 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 19.2359, 0.2972, 0.4208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

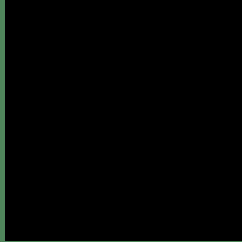
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2359, 0.2972, 0.4208

Background



This preview shows how black text looks on a background with the Yxy color 19.2359, 0.2972, 0.4208.



This preview shows how white text looks on a background with the Yxy color 19.2359, 0.2972, 0.4208.

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

19.2359, 0.2972, 0.4208

Protanopia

19.0925, 0.3664, 0.3947

Deuteranopia

18.9797, 0.3729, 0.3668



Tritanopia

19.1585, 0.2633, 0.3091

Trichromacy



Original Color

19.2359, 0.2972, 0.4208

Protanomaly

18.8166, 0.3384, 0.4036

Deuteranomaly

18.6492, 0.3416, 0.3841

Tritanomaly

19.0350, 0.2753, 0.3476

Monochromacy



Original Color

19.2359, 0.2972, 0.4208

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.1417, 0.3062, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2359, 0.2972, 0.4208 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(80, 133, 91)` looks like.

```
.text, #text, p{  
    color:rgb(80, 133, 91)  
}
```

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(80, 133, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 133, 91) }
```

Border

The CSS property to change the border of an element to Yxy 19.2359, 0.2972, 0.4208 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(80, 133, 91) }
```

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

```
.border{ border-color:rgb(80, 133, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 133, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 133, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 133, 91);  
box-shadow:4px 4px 4px 4px rgb(80, 133,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2359, 0.2972, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 133, 91) }
```

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

```
.background{ background-color: rgb(80, 133,  
91) }
```

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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