

Converting Colors

$Y_{xy}(19.1882, 0.3267, 0.4932)$

Have a look what the booklet for
Yxy(19.1882, 0.3267, 0.4932)
contains.

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Color

Yxy(19.1050, 0.3268, 0.4923)

Conversions

Conversions Part 1

Format	Color
Hex	51863A
RGB	81, 134, 58
RGB Percent	32%, 53%, 23%
CMY	0.6823, 0.4745, 0.7726
CMYK	0.40, 0.00, 0.57, 0.47
HSL	102°, 40%, 38%
HSV	102°, 57%, 53%
XYZ	12.6823, 19.1050, 7.0203
YIQ	109.4890, -7.1920, -34.8720

Conversions

Conversions Part 2

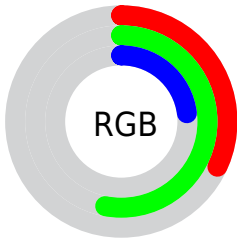
Format	Color
RYB	58, 134, 111
Decimal	5342778
CIELab	50.81, -32.47, 34.99
CIElCh	51, 47.738, 132.863
Yxy	19.1050, 0.3268, 0.4923
Android (android.graphics.Color)	4283532858 (0xFF51863A)
YUV	109.4890, -25.3841, -24.9849
Hunter-Lab	43.7093, -24.6991, 21.0737

Details

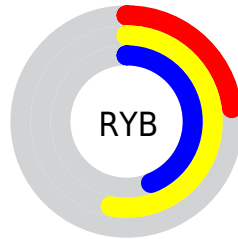
The Yxy color **19.1050, 0.3268, 0.4923** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.1246, 0.2813, 0.1848**, and the grayscale version is **15.5150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0963, 0.3276, 0.4527**, and **6.6194, 0.3193, 0.5681** is the 20% darker color. If you saturate the color by 10%, you get **18.6020, 0.3264, 0.5217**, and if you desaturate by 10%, it is **19.7020, 0.3260, 0.4612**.

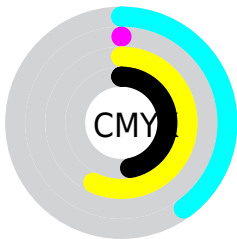
Distribution



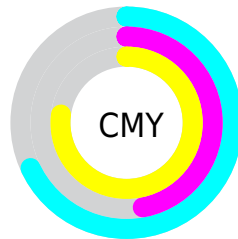
- Red (32%)
- Green (53%)
- Blue (23%)



- Red (23%)
- Yellow (53%)
- Blue (44%)



- Cyan (40%)
- Magenta (0%)
- Yellow (57%)
- Black (47%)





- Cyan (68%)
- Magenta (47%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1050, 0.3268, 0.4923 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 19.1050, 0.3268, 0.4923 by changing the saturation by 10% instead.


 19.1050, 0.3268,
0.4923


 19.1050, 0.3268,
0.4923


247.0278, 0.3230,
0.3940


 11.7462, 0.3248,
0.5237


 41.9114, 0.3270,
0.4517


 6.5711, 0.3191,
0.5684


 58.1279, 0.3265,
0.4380

 3.1953, 0.3193,
0.6677

 78.0656, 0.3259,
0.4270

 1.2345, 0.2183,
0.7817

 102.1090, 0.3253,
0.4180

 0.0897, 0.0000,
1.0000

 130.6426, 0.3247,
0.4105

 0.0000, 0.0000,
0.0000

 164.0506, 0.3241,

0.4041

202.7176, 0.3235,
0.3987

■ 19.1050, 0.3268,
0.4923

■ 19.1050, 0.3268,
0.4923

■ 18.6020, 0.3264,
0.5217

■ 19.7020, 0.3260,
0.4612

■ 18.1853, 0.3246,
0.5474

■ 20.3951, 0.3241,
0.4298

■ 17.8501, 0.3214,
0.5680

■ 21.1896, 0.3215,
0.3996

■ 17.5879, 0.3172,
0.5828

■ 22.0895, 0.3184,
0.3712

■ 17.5136, 0.3160,
0.5873

■ 23.0986, 0.3150,
0.3451

■ 24.2206, 0.3116,
0.3216

■ 25.4589, 0.3081,
0.3005

■ 26.8168, 0.3047,
0.2818

■ 28.2976, 0.3015,
0.2653

Harmonies

Analogous

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



19.1050, 0.4083, 0.4809



19.1050, 0.3268, 0.4923



19.1050, 0.2460, 0.4342

Triad

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



19.1050, 0.3268, 0.4923



19.1050, 0.1711, 0.2092



19.1050, 0.4509, 0.3026

Complementary

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



19.1050, 0.3268, 0.4923



8.1246, 0.2813, 0.1848

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.



19.1050, 0.3679, 0.2490



19.1050, 0.3268, 0.4923



19.1050, 0.2089, 0.1971

Square

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



19.1050, 0.3268, 0.4923



19.1050, 0.1636, 0.2539



19.1050, 0.2773, 0.2117



19.1050, 0.4886, 0.3644

Rectangle

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



19.1050, 0.3268, 0.4923



19.1050, 0.2038, 0.3690



19.1050, 0.2773, 0.2117



19.1050, 0.4266, 0.2835

Sweetspot

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



19.1058, 0.3268, 0.4923



38.8096, 0.3186, 0.3729



16.5108, 0.4143, 0.4232



8.6823, 0.3191, 0.3775



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.



19.1058, 0.3268, 0.4923



32.5554, 0.3260, 0.5292



18.4169, 0.2938, 0.4732



5.2681, 0.3159, 0.3511



16.4174, 0.3162, 0.5872



0.0603, 0.3478, 0.5620

Inverse Universe

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



8.1246, 0.2813, 0.1848



11.1887, 0.2715, 0.1566



9.4511, 0.3425, 0.2197



4.6940, 0.3093, 0.3073



3.8203, 0.2477, 0.1138



0.0171, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 19.1050, 0.3268, 0.4923 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 19.1050, 0.3268, 0.4923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

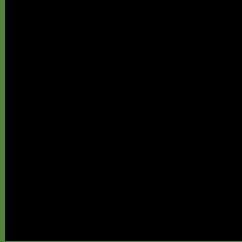
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1050, 0.3268, 0.4923

Background



This preview shows how black text looks on a background with the Yxy color 19.1050, 0.3268, 0.4923.



This preview shows how white text looks on a background with the Yxy color 19.1050, 0.3268, 0.4923.

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

19.1050, 0.3268, 0.4923

Protanopia

19.0094, 0.4070, 0.4463

Deuteranopia

18.9162, 0.4229, 0.4158



Tritanopia

19.0790, 0.2677, 0.3092

Trichromacy



Original Color

19.1050, 0.3268, 0.4923

Protanomaly

18.8424, 0.3757, 0.4651

Deuteranomaly

18.5411, 0.3855, 0.4436

Tritanomaly

18.9071, 0.2898, 0.3733

Monochromacy



Original Color

19.1050, 0.3268, 0.4923

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.3477, 0.3212, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1050, 0.3268, 0.4923 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(81, 134, 58)` looks like.

```
.text, #text, p{  
    color:rgb(81, 134, 58)  
}
```

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(81, 134, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 134, 58) }
```

Border

The CSS property to change the border of an element to Yxy 19.1050, 0.3268, 0.4923 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(81, 134, 58) }
```

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

```
.border{ border-color:rgb(81, 134, 58) }
```

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

Here you see how a box with a 4 pixel rgb(81, 134, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 134, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 134, 58);  
box-shadow:4px 4px 4px 4px rgb(81, 134,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1050, 0.3268, 0.4923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 134, 58) }
```

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

```
.background{ background-color: rgb(81, 134,  
58) }
```

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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