

Converting Colors

$Y_{xy}(18.2495, 0.2921, 0.4000)$

Have a look what the booklet for
Yxy(18.2495, 0.2921, 0.4000)
contains.

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Color

Yxy(18.3129, 0.2923, 0.3994)

Conversions

Conversions Part 1

Format	Color
Hex	518161
RGB	81, 129, 97
RGB Percent	32%, 51%, 38%
CMY	0.6823, 0.4941, 0.6196
CMYK	0.37, 0.00, 0.25, 0.49
HSL	140°, 23%, 41%
HSV	140°, 37%, 51%
XYZ	13.4023, 18.3129, 14.1359
YIQ	111.0000, -18.3360, -20.1280

Conversions

Conversions Part 2

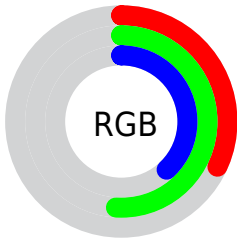
Format	Color
R_{YB}	81, 117, 129
Decimal	5341537
CIE _{Lab}	49.87, -23.69, 12.30
CIE _{LCh}	50, 26.696, 152.555
Yxy	18.3129, 0.2923, 0.3994
Android (android.graphics.Color)	4283531617 (0xFF518161)
YUV	111.0000, -6.9020, -26.3100
Hunter-Lab	42.7936, -18.9854, 10.3704

Details

The Yxy color **18.3129, 0.2923, 0.3994** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.7479, 0.3417, 0.2680**, and the grayscale version is **15.9222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4995, 0.2973, 0.3811**, and **6.1293, 0.2816, 0.4351** is the 20% darker color. If you saturate the color by 10%, you get **17.6448, 0.2879, 0.4226**, and if you desaturate by 10%, it is **19.1082, 0.2974, 0.3779**.

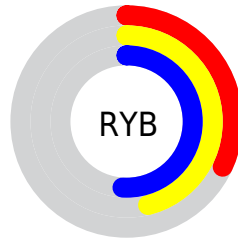
Distribution



Red (32%)

Green (51%)

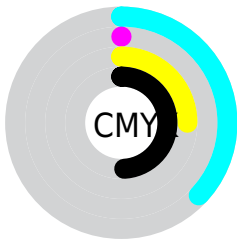
Blue (38%)



Red (32%)

Yellow (46%)

Blue (51%)

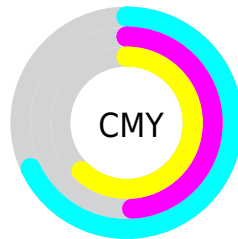


Cyan (37%)

Magenta (0%)

Yellow (25%)

Black (49%)



Cyan (68%)


Magenta (49%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3129, 0.2923, 0.3994 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 18.3129, 0.2923, 0.3994 by changing the saturation by 10% instead.


 18.3129, 0.2923,
0.3994


 18.3129, 0.2923,
0.3994


242.6288, 0.3049,
0.3572


 11.1749, 0.2880,
0.4133


 40.5698, 0.2976,
0.3819


 6.1846, 0.2813,
0.4341

 56.4574, 0.2994,
0.3760


 2.9576, 0.2701,
0.4680

 76.0304, 0.3008,
0.3713

 1.1097, 0.2424,
0.5840

 99.6731, 0.3019,
0.3675

 0.0000, 0.0000,
0.0000

 127.7698, 0.3028,
0.3643

160.7051, 0.3036,

0.3616

198.8633, 0.3043,
0.3592

■ 18.3129, 0.2923,
0.3994

■ 18.3129, 0.2923,
0.3994

■ 17.6448, 0.2879,
0.4226

■ 19.1082, 0.2974,
0.3779

■ 17.0949, 0.2844,
0.4470

■ 20.0347, 0.3029,
0.3582

■ 16.6567, 0.2822,
0.4719


■ 21.0989, 0.3086,
0.3405


■ 16.3220, 0.2815,
0.4964

■ 22.3062, 0.3143,
0.3248

■ 16.0813, 0.2823,
0.5196


■ 23.6617, 0.3200,
0.3109

 15.9161, 0.2845,
0.5406

 25.1703, 0.3254,
0.2986

 15.8745, 0.2850,
0.5461

 26.8367, 0.3306,
0.2879

 28.6653, 0.3356,
0.2785

 30.6603, 0.3403,
0.2704

Harmonies

Analogous

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



18.3129, 0.3425, 0.4211



18.3129, 0.2923, 0.3994



18.3129, 0.2498, 0.3533

Triad

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



18.3129, 0.2923, 0.3994



18.3129, 0.2399, 0.2492



18.3129, 0.4091, 0.3424

Complementary

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



18.3129, 0.2923, 0.3994



11.7479, 0.3417, 0.2680

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.



18.3129, 0.3771, 0.3031



18.3129, 0.2923, 0.3994



18.3129, 0.2773, 0.2516

Square

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



18.3129, 0.2923, 0.3994



18.3129, 0.2217, 0.2664



18.3129, 0.3275, 0.2709



18.3129, 0.4121, 0.3818

Rectangle

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



18.3129, 0.2923, 0.3994



18.3129, 0.2309, 0.3190



18.3129, 0.3275, 0.2709



18.3129, 0.4013, 0.3289

Sweetspot

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



18.3137, 0.2923, 0.3994



36.9786, 0.3063, 0.3475



19.8593, 0.3467, 0.4237



8.3224, 0.3056, 0.3494



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.3137, 0.2923, 0.3994



31.7234, 0.2883, 0.4199



18.8117, 0.2705, 0.3474



4.8405, 0.3075, 0.3437



15.4786, 0.2850, 0.5459



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7479, 0.3417, 0.2680



18.0961, 0.3512, 0.2537



11.2901, 0.3821, 0.3118



4.3888, 0.3183, 0.3147



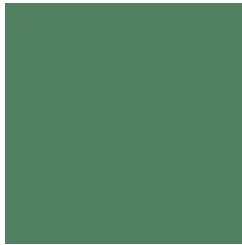
5.2072, 0.4232, 0.2105



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.3129, 0.2923, 0.3994 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3129, 0.2923, 0.3994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

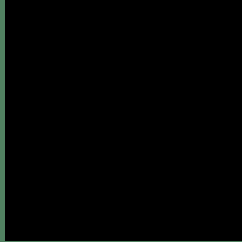
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3129, 0.2923, 0.3994

Background



This preview shows how black text looks on a background with the Yxy color 18.3129, 0.2923, 0.3994.



This preview shows how white text looks on a background with the Yxy color 18.3129, 0.2923, 0.3994.

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

18.3129, 0.2923, 0.3994

Protanopia

18.1652, 0.3551, 0.3791

Deuteranopia

18.1890, 0.3604, 0.3549



Tritanopia

18.2604, 0.2643, 0.3087

Trichromacy



Original Color

18.3129, 0.2923, 0.3994

Protanomaly

18.0422, 0.3299, 0.3862

Deuteranomaly

17.8075, 0.3326, 0.3690

Tritanomaly

18.2806, 0.2738, 0.3393

Monochromacy



Original Color

18.3129, 0.2923, 0.3994

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.7068, 0.3041, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3129, 0.2923, 0.3994 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, 129, 97)` looks like.

```
.text, #text, p{  
    color:rgb(81, 129, 97)  
}
```

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, 129, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 129, 97) }
```

Border

The CSS property to change the border of an element to Yxy 18.3129, 0.2923, 0.3994 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, 129, 97) }
```

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

```
.border{ border-color:rgb(81, 129, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 129, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 129, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 129, 97);  
box-shadow:4px 4px 4px 4px rgb(81, 129,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3129, 0.2923, 0.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 129, 97) }
```

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

```
.background{ background-color: rgb(81, 129,  
97) }
```

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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