

Converting Colors

$Y_{xy}(16.2639, 0.3019, 0.4017)$

Have a look what the booklet for
Yxy(16.2639, 0.3019, 0.4017)
contains.

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Color

$Y_{xy}(16.2350, 0.3023, 0.4020)$

Conversions

Conversions Part 1

Format	Color
Hex	537959
RGB	83, 121, 89
RGB Percent	33%, 47%, 35%
CMY	0.6745, 0.5255, 0.6510
CMYK	0.31, 0.00, 0.26, 0.53
HSL	129°, 19%, 40%
HSV	129°, 31%, 47%
XYZ	12.2086, 16.2350, 11.9420
YIQ	105.9900, -12.3760, -18.0080

Conversions

Conversions Part 2

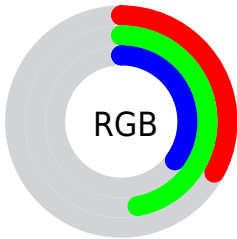
Format	Color
R_{YB}	83, 116, 121
Decimal	5470553
CIE _{Lab}	47.28, -20.49, 13.37
CIE _{LCh}	47, 24.464, 146.869
Yxy	16.2350, 0.3023, 0.4020
Android (android.graphics.Color)	4283660633 (0xFF537959)
YUV	105.9900, -8.3761, -20.1622
Hunter-Lab	40.2927, -16.4272, 10.6324

Details

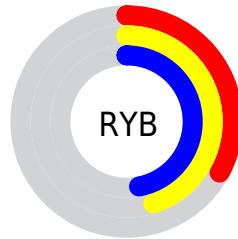
The Yxy color **16.2350, 0.3023, 0.4020** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.4911, 0.3253, 0.2656**, and the grayscale version is **14.4370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2045, 0.3058, 0.3840**, and **5.1842, 0.2958, 0.4405** is the 20% darker color. If you saturate the color by 10%, you get **15.5729, 0.2993, 0.4302**, and if you desaturate by 10%, it is **17.0183, 0.3056, 0.3760**.

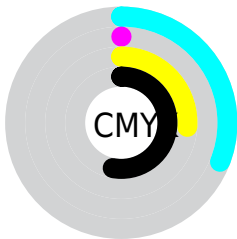
Distribution



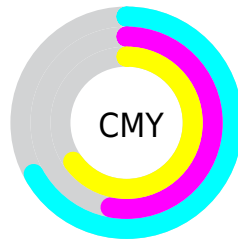
- Red (33%)
- Green (47%)
- Blue (35%)



- Red (33%)
- Yellow (45%)
- Blue (47%)



- Cyan (31%)
- Magenta (0%)
- Yellow (26%)
- Black (53%)




- Cyan (67%)
- Magenta (53%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2350, 0.3023, 0.4020 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 16.2350, 0.3023, 0.4020 by changing the saturation by 10% instead.


 16.2350, 0.3023,
0.4020


 16.2350, 0.3023,
0.4020


230.7244, 0.3092,
0.3576


 9.6906, 0.2995,
0.4171


 37.0057, 0.3054,
0.3833


 5.1943, 0.2950,
0.4400

 52.0008, 0.3064,
0.3771

 2.3617, 0.2864,
0.4785

 70.5815, 0.3071,
0.3722

 0.8061, 0.2481,
0.7519

 93.1324, 0.3077,
0.3682

 0.0000, 0.0000,
0.0000

 120.0377, 0.3082,
0.3649

151.6819, 0.3086,

0.3621

188.4493, 0.3089,
0.3597

■ 16.2350, 0.3023,
0.4020

■ 16.2350, 0.3023,
0.4020

■ 15.5729, 0.2993,
0.4302

■ 17.0183, 0.3056,
0.3760

■ 15.0239, 0.2966,
0.4598

■ 17.9262, 0.3089,
0.3526

■ 14.5822, 0.2947,
0.4899


■ 18.9647, 0.3123,
0.3317


■ 14.2408, 0.2935,
0.5189

■ 20.1385, 0.3155,
0.3133


■ 13.9915, 0.2934,
0.5452


■ 21.4525, 0.3185,
0.2973


 13.8252, 0.2943,
0.5671

 22.9109, 0.3214,
0.2833

 13.7222, 0.2950,
0.5819

 24.5181, 0.3240,
0.2712

 26.2780, 0.3265,
0.2606

 28.1946, 0.3288,
0.2515

Harmonies

Analogous

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



16.2350, 0.3502, 0.4172



16.2350, 0.3023, 0.4020



16.2350, 0.2593, 0.3615

Triad

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



16.2350, 0.3023, 0.4020



16.2350, 0.2382, 0.2543



16.2350, 0.4008, 0.3347

Complementary

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



16.2350, 0.3023, 0.4020



11.4911, 0.3253, 0.2656

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.



16.2350, 0.3660, 0.2977



16.2350, 0.3023, 0.4020



16.2350, 0.2709, 0.2530

Square

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



16.2350, 0.3023, 0.4020



16.2350, 0.2244, 0.2746



16.2350, 0.3174, 0.2687



16.2350, 0.4093, 0.3730

Rectangle

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



16.2350, 0.3023, 0.4020



16.2350, 0.2387, 0.3288



16.2350, 0.3174, 0.2687



16.2350, 0.3917, 0.3219

Sweetspot

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



16.2357, 0.3023, 0.4020



32.4845, 0.3097, 0.3478



17.9649, 0.3500, 0.4054



7.3788, 0.3093, 0.3504



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.2357, 0.3023, 0.4020



28.1578, 0.3000, 0.4231



16.5908, 0.2828, 0.3583



4.4593, 0.3097, 0.3475



14.7041, 0.2951, 0.5824



70.0558, 0.2968, 0.5885

Inverse Universe

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



11.4911, 0.3253, 0.2656



18.1766, 0.3291, 0.2504



11.1033, 0.3561, 0.3017



4.0672, 0.3159, 0.3112



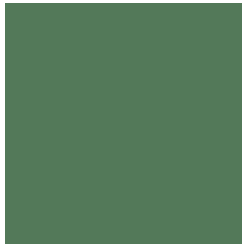
5.3810, 0.3637, 0.1777



25.5646, 0.3663, 0.1791

Previews

White Background



This preview shows how the Yxy color 16.2350, 0.3023, 0.4020 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 16.2350, 0.3023, 0.4020 looks on a black 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

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

Yxy 16.2350, 0.3023, 0.4020

Background



This preview shows how black text looks on a background with the Yxy color 16.2350, 0.3023, 0.4020.



This preview shows how white text looks on a background with the Yxy color 16.2350, 0.3023, 0.4020.

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

16.2350, 0.3023, 0.4020

Protanopia

16.2373, 0.3585, 0.3834

Deuteranopia

15.9552, 0.3646, 0.3582



Tritanopia

16.1708, 0.2710, 0.3080

Trichromacy



Original Color

16.2350, 0.3023, 0.4020

Protanomaly

16.0592, 0.3375, 0.3907

Deuteranomaly

15.7884, 0.3393, 0.3729

Tritanomaly

16.1754, 0.2813, 0.3398

Monochromacy



Original Color

16.2350, 0.3023, 0.4020

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.8856, 0.3089, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2350, 0.3023, 0.4020 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(83, 121, 89)` looks like.

```
.text, #text, p{  
  color:rgb(83, 121, 89)  
}
```

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(83, 121, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 121, 89) }
```

Border

The CSS property to change the border of an element to Yxy 16.2350, 0.3023, 0.4020 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(83, 121, 89) }
```

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

```
.border{ border-color:rgb(83, 121, 89) }
```

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

Here you see how a box with a 4 pixel rgb(83, 121, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 121, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 121, 89);  
box-shadow:4px 4px 4px 4px rgb(83, 121,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2350, 0.3023, 0.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 121, 89) }
```

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

```
.background{ background-color: rgb(83, 121,  
89) }
```

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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