

Converting Colors

$Y_{xy}(16.6819, 0.3033, 0.4229)$

Have a look what the booklet for
Yxy(16.6819, 0.3033, 0.4229)
contains.

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Color

Yxy(16.7021, 0.3039, 0.4232)

Conversions

Conversions Part 1

Format	Color
Hex	4F7C53
RGB	79, 124, 83
RGB Percent	31%, 49%, 33%
CMY	0.6901, 0.5137, 0.6746
CMYK	0.36, 0.00, 0.33, 0.51
HSL	125°, 22%, 40%
HSV	125°, 36%, 49%
XYZ	11.9938, 16.7021, 10.7703
YIQ	105.8710, -13.6590, -22.2910

Conversions

Conversions Part 2

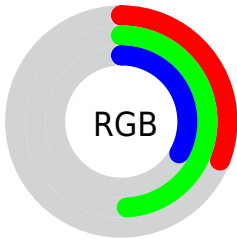
Format	Color
R_{YB}	79, 120, 124
Decimal	5209171
CIE _{Lab}	47.88, -24.57, 17.65
CIE _{LCh}	48, 30.247, 144.309
Yxy	16.7021, 0.3039, 0.4232
Android (android.graphics.Color)	4283399251 (0xFF4F7C53)
YUV	105.8710, -11.2754, -23.5659
Hunter-Lab	40.8682, -19.1341, 12.9826

Details

The Yxy color **16.7021, 0.3039, 0.4232** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.2369, 0.3228, 0.2501**, and the grayscale version is **14.4110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8836, 0.3069, 0.3987**, and **5.4634, 0.2957, 0.4709** is the 20% darker color. If you saturate the color by 10%, you get **16.0590, 0.3016, 0.4546**, and if you desaturate by 10%, it is **17.4743, 0.3063, 0.3937**.

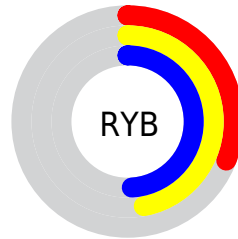
Distribution



Red (31%)

Green (49%)

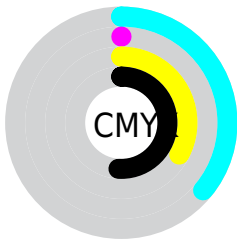
Blue (33%)



Red (31%)

Yellow (47%)

Blue (49%)

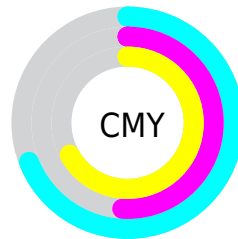


Cyan (36%)

Magenta (0%)

Yellow (33%)

Black (51%)



Cyan (69%)


Magenta (51%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7021, 0.3039, 0.4232 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 16.7021, 0.3039, 0.4232 by changing the saturation by 10% instead.


 16.7021, 0.3039,
0.4232


 16.7021, 0.3039,
0.4232


233.4498, 0.3104,
0.3657


 10.0223, 0.3009,
0.4428


 37.8129, 0.3070,
0.3990


 5.4138, 0.2958,
0.4724

 53.0127, 0.3079,
0.3910

 2.4920, 0.2854,
0.5217

 71.8212, 0.3086,
0.3846

 0.8726, 0.2084,
0.7916

 94.6230, 0.3091,
0.3794

 0.0000, 0.0000,
0.0000

 121.8023, 0.3096,
0.3751

153.7436, 0.3099,

0.3715

190.8313, 0.3102,
0.3684

■ 16.7021, 0.3039,
0.4232

■ 16.7021, 0.3039,
0.4232

■ 16.0590, 0.3016,
0.4546

■ 17.4743, 0.3063,
0.3937

■ 15.5359, 0.2997,
0.4867

■ 18.3800, 0.3088,
0.3668

■ 15.1262, 0.2982,
0.5179


■ 19.4257, 0.3112,
0.3427

■ 14.8212, 0.2974,
0.5461


■ 20.6170, 0.3136,
0.3214


■ 14.6114, 0.2973,
0.5694


■ 21.9593, 0.3157,
0.3028

 14.4802, 0.2977,
0.5863

 23.4576, 0.3177,
0.2867

 14.4395, 0.2975,
0.5912

 25.1166, 0.3196,
0.2727

 26.9411, 0.3213,
0.2607

 28.9352, 0.3228,
0.2502

Harmonies

Analogous

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



16.7021, 0.3619, 0.4374



16.7021, 0.3039, 0.4232



16.7021, 0.2512, 0.3740

Triad

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



16.7021, 0.3039, 0.4232



16.7021, 0.2207, 0.2400



16.7021, 0.4183, 0.3306

Complementary

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



16.7021, 0.3039, 0.4232



11.2369, 0.3228, 0.2501

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.



16.7021, 0.3731, 0.2875



16.7021, 0.3039, 0.4232



16.7021, 0.2576, 0.2373

Square

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



16.7021, 0.3039, 0.4232



16.7021, 0.2066, 0.2652



16.7021, 0.3126, 0.2545



16.7021, 0.4312, 0.3765

Rectangle

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



16.7021, 0.3039, 0.4232



16.7021, 0.2257, 0.3329



16.7021, 0.3126, 0.2545



16.7021, 0.4062, 0.3155

Sweetspot

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



16.7028, 0.3039, 0.4232



33.2353, 0.3100, 0.3543



18.9915, 0.3597, 0.4165



7.7806, 0.3098, 0.3570



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.7028, 0.3039, 0.4232



28.3873, 0.3019, 0.4507



17.1039, 0.2816, 0.3706



4.4552, 0.3106, 0.3491



14.6787, 0.2976, 0.5912



69.9625, 0.2988, 0.5955

Inverse Universe

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



11.2369, 0.3228, 0.2501



17.1945, 0.3257, 0.2319



10.7572, 0.3602, 0.2913



4.0717, 0.3149, 0.3097



5.5701, 0.3435, 0.1666



26.5060, 0.3448, 0.1673

Previews

White Background



This preview shows how the Yxy color 16.7021, 0.3039, 0.4232 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 16.7021, 0.3039, 0.4232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

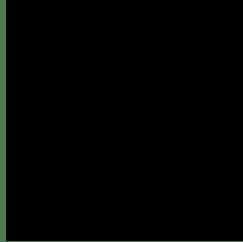
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7021, 0.3039, 0.4232

Background



This preview shows how black text looks on a background with the Yxy color 16.7021, 0.3039, 0.4232.



This preview shows how white text looks on a background with the Yxy color 16.7021, 0.3039, 0.4232.

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

16.7021, 0.3039, 0.4232

Protanopia

16.4979, 0.3698, 0.3986

Deuteranopia

16.5957, 0.3777, 0.3726



Tritanopia

16.5901, 0.2674, 0.3081

Trichromacy



Original Color

16.7021, 0.3039, 0.4232

Protanomaly

16.3659, 0.3426, 0.4077

Deuteranomaly

16.2012, 0.3475, 0.3892

Tritanomaly

16.5341, 0.2804, 0.3464

Monochromacy



Original Color

16.7021, 0.3039, 0.4232

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.1789, 0.3086, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7021, 0.3039, 0.4232 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(79, 124, 83)` looks like.

```
.text, #text, p{  
    color:rgb(79, 124, 83)  
}
```

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(79, 124, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 124, 83) }
```

Border

The CSS property to change the border of an element to Yxy 16.7021, 0.3039, 0.4232 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(79, 124, 83) }
```

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

```
.border{ border-color:rgb(79, 124, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 124, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 124, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 124, 83);  
box-shadow:4px 4px 4px 4px rgb(79, 124,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7021, 0.3039, 0.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 124, 83) }
```

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

```
.background{ background-color: rgb(79, 124,  
83) }
```

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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