

Converting Colors

$Y_{xy}(16.3199, 0.3037, 0.3564)$

Have a look what the booklet for
Yxy(16.3199, 0.3037, 0.3564)
contains.

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Color

Yxy(16.3187, 0.3039, 0.3569)

Conversions

Conversions Part 1

Format	Color
Hex	627568
RGB	98, 117, 104
RGB Percent	38%, 46%, 41%
CMY	0.6157, 0.5411, 0.5922
CMYK	0.16, 0.00, 0.11, 0.54
HSL	139°, 9%, 42%
HSV	139°, 16%, 46%
XYZ	13.8954, 16.3187, 15.5094
YIQ	109.8370, -7.1510, -8.0710

Conversions

Conversions Part 2

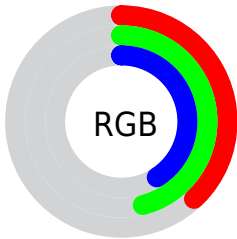
Format	Color
RYB	98, 112, 117
Decimal	6452584
CIELab	47.39, -9.83, 4.84
CIELCh	47, 10.961, 153.780
Yxy	16.3187, 0.3039, 0.3569
Android (android.graphics.Color)	4284642664 (0xFF627568)
YUV	109.8370, -2.8776, -10.3810
Hunter-Lab	40.3964, -9.2942, 5.5143

Details

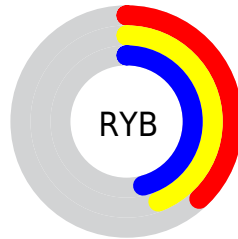
The Yxy color **16.3187, 0.3039, 0.3569** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6638, 0.3228, 0.3026**, and the grayscale version is **15.5532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1321, 0.3063, 0.3500**, and **5.2555, 0.2991, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **15.5603, 0.2986, 0.3767**, and if you desaturate by 10%, it is **17.1891, 0.3093, 0.3391**.

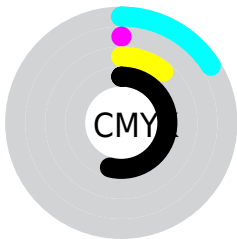
Distribution



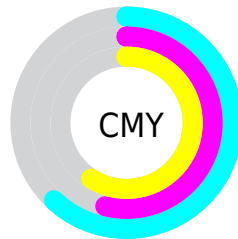
- Red (38%)
- Green (46%)
- Blue (41%)



- Red (38%)
- Yellow (44%)
- Blue (46%)



- Cyan (16%)
- Magenta (0%)
- Yellow (11%)
- Black (54%)



- Cyan (62%)
- Magenta (54%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3187, 0.3039, 0.3569 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 16.3187, 0.3039, 0.3569 by changing the saturation by 10% instead.

■ 16.3187, 0.3039,
0.3569

■ 16.3187, 0.3039,
0.3569

■ 231.2150, 0.3092,
0.3403

■ 9.7500, 0.3021,
0.3624

■ 37.1506, 0.3061,
0.3500

■ 5.2335, 0.2995,
0.3705

■ 52.1826, 0.3068,
0.3477

■ 2.3849, 0.2951,
0.3839

■ 70.8044, 0.3074,
0.3459

■ 0.8181, 0.2818,
0.4288

■ 93.4004, 0.3079,
0.3443

■ 0.0000, 0.0000,
0.0000

■ 120.3551, 0.3083,
0.3431

■ 152.0528, 0.3087,

0.3420

188.8780, 0.3090,
0.3411

■ 16.3187, 0.3039,
0.3569

■ 16.3187, 0.3039,
0.3569

■ 15.5603, 0.2986,
0.3767

■ 17.1891, 0.3093,
0.3391

■ 14.9073, 0.2937,
0.3984

■ 18.1737, 0.3147,
0.3233

■ 14.3556, 0.2894,
0.4218

■ 19.2773, 0.3201,
0.3093

■ 13.8998, 0.2860,
0.4464

■ 20.5037, 0.3252,
0.2970

■ 13.5343, 0.2837,
0.4716

■ 21.8565, 0.3301,
0.2862

■ 13.2526, 0.2828,
0.4966

■ 23.3393, 0.3348,
0.2768

■ 13.0476, 0.2834,
0.5201

■ 24.9555, 0.3391,
0.2686

■ 12.9048, 0.2852,
0.5415

■ 26.7083, 0.3433,
0.2614

■ 12.8569, 0.2858,
0.5490

■ 28.6009, 0.3471,
0.2551

Harmonies

Analogous

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



16.3187, 0.3257, 0.3667



16.3187, 0.3039, 0.3569



16.3187, 0.2849, 0.3388

Triad

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



16.3187, 0.3039, 0.3569



16.3187, 0.2811, 0.2935



16.3187, 0.3537, 0.3372

Complementary

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



16.3187, 0.3039, 0.3569



13.6638, 0.3228, 0.3026

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.



16.3187, 0.3409, 0.3188



16.3187, 0.3039, 0.3569



16.3187, 0.2987, 0.2941

Square

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



16.3187, 0.3039, 0.3569



16.3187, 0.2721, 0.3020



16.3187, 0.3206, 0.3033



16.3187, 0.3550, 0.3543

Rectangle

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



16.3187, 0.3039, 0.3569



16.3187, 0.2762, 0.3251



16.3187, 0.3206, 0.3033



16.3187, 0.3506, 0.3310

Sweetspot

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



16.3194, 0.3039, 0.3569



30.9646, 0.3099, 0.3372



17.0049, 0.3281, 0.3681



7.0981, 0.3096, 0.3382



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.3194, 0.3039, 0.3569



28.6164, 0.3016, 0.3651



16.5171, 0.2936, 0.3369



4.1155, 0.3078, 0.3439



14.1612, 0.2861, 0.5498



68.8701, 0.2886, 0.5590

Inverse Universe

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



13.6638, 0.3228, 0.3026



22.7838, 0.3259, 0.2954



13.4710, 0.3360, 0.3212



3.7392, 0.3180, 0.3146



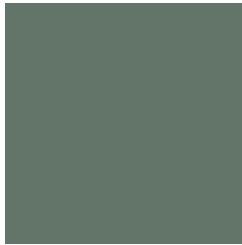
4.8042, 0.4162, 0.2066



23.2513, 0.4226, 0.2102

Previews

White Background



This preview shows how the Yxy color 16.3187, 0.3039, 0.3569 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 16.3187, 0.3039, 0.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

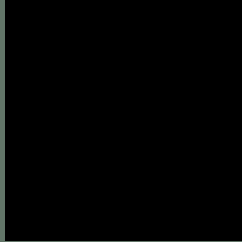
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3187, 0.3039, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 16.3187, 0.3039, 0.3569.

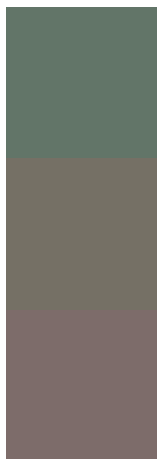


This preview shows how white text looks on a background with the Yxy color 16.3187, 0.3039, 0.3569.

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

16.3187, 0.3039, 0.3569

Protanopia

16.3098, 0.3334, 0.3513

Deuteranopia

16.1257, 0.3391, 0.3330



Tritanopia

16.2314, 0.2862, 0.3105

Trichromacy



Original Color

16.3187, 0.3039, 0.3569

Protanomaly

16.3089, 0.3221, 0.3538

Deuteranomaly

16.0336, 0.3257, 0.3412

Tritanomaly

16.2317, 0.2928, 0.3269

Monochromacy



Original Color

16.3187, 0.3039, 0.3569

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.9571, 0.3096, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3187, 0.3039, 0.3569 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(98, 117, 104) looks like.

```
.text, #text, p{  
    color:rgb(98, 117, 104)  
}
```

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(98, 117, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 117, 104) }
```

Border

The CSS property to change the border of an element to Yxy 16.3187, 0.3039, 0.3569 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(98, 117, 104) }
```

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

```
.border{ border-color:rgb(98, 117, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 117, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 117, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 117, 104);  
box-shadow:4px 4px 4px 4px rgb(98, 117,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3187, 0.3039, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 117, 104) }
```

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

```
.background{ background-color: rgb(98, 117,  
104) }
```

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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