

Converting Colors

$Y_{xy}(16.1957, 0.3256, 0.3926)$

Have a look what the booklet for
Yxy(16.1957, 0.3256, 0.3926)
contains.

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Color

Yxy(16.1365, 0.3251, 0.3921)

Conversions

Conversions Part 1

Format	Color
Hex	647558
RGB	100, 117, 88
RGB Percent	39%, 46%, 35%
CMY	0.6078, 0.5412, 0.6550
CMYK	0.15, 0.00, 0.25, 0.54
HSL	95°, 14%, 40%
HSV	95°, 25%, 46%
XYZ	13.3792, 16.1365, 11.6384
YIQ	108.6110, -0.8230, -12.6230

Conversions

Conversions Part 2

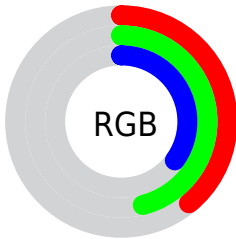
Format	Color
R_{YB}	88, 117, 105
Decimal	6583640
CIE _{Lab}	47.15, -12.12, 13.97
CIE _{LCh}	47, 18.491, 130.937
Yxy	16.1365, 0.3251, 0.3921
Android (android.graphics.Color)	4284773720 (0xFF647558)
YUV	108.6110, -10.1612, -7.5518
Hunter-Lab	40.1703, -10.8464, 10.9413

Details

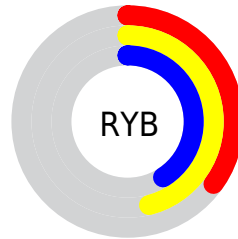
The Yxy color $16.1365, 0.3251, 0.3921$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $11.2624, 0.2972, 0.2673$, and the grayscale version is $15.2073, 0.3127, 0.3290$.

A 20% lighter version of the original color is $36.7902, 0.3224, 0.3761$, and $5.1803, 0.3298, 0.4255$ is the 20% darker color. If you saturate the color by 10%, you get $15.5844, 0.3295, 0.4207$, and if you desaturate by 10%, it is $16.7540, 0.3202, 0.3651$.

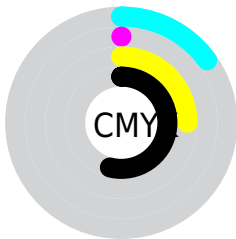
Distribution



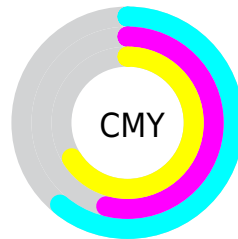
- Red (39%)
- Green (46%)
- Blue (35%)



- Red (35%)
- Yellow (46%)
- Blue (41%)



- Cyan (15%)
- Magenta (0%)
- Yellow (25%)
- Black (54%)





- Cyan (61%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1365, 0.3251, 0.3921 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 16.1365, 0.3251, 0.3921 by changing the saturation by 10% instead.


 16.1365, 0.3251,
0.3921

 16.1365, 0.3251,
0.3921


230.1458, 0.3184,
0.3541


 9.6208, 0.3269,
0.4048


 36.8350, 0.3226,
0.3762


 5.1483, 0.3290,
0.4237

 51.7866, 0.3216,
0.3710


 2.3345, 0.3314,
0.4549

 70.3190, 0.3208,
0.3667

 0.7919, 0.3659,
0.6341

 92.8165, 0.3202,
0.3633

 0.0000, 0.0000,
0.0000

 119.6635, 0.3196,
0.3604

151.2445, 0.3192,

0.3580

187.9438, 0.3187,
0.3559

■ 16.1365, 0.3251,
0.3921

■ 16.1365, 0.3251,
0.3921

■ 15.5844, 0.3295,
0.4207

■ 16.7540, 0.3202,
0.3651

■ 15.0932, 0.3332,
0.4502

■ 17.4369, 0.3152,
0.3402

■ 14.6612, 0.3358,
0.4796

■ 18.1880, 0.3101,
0.3174

■ 14.2859, 0.3370,
0.5076

■ 19.0091, 0.3051,
0.2969

■ 13.9643, 0.3366,
0.5328

■ 19.9023, 0.3003,
0.2785

■ 13.6933, 0.3343,
0.5537

■ 20.8693, 0.2957,
0.2621

■ 13.4682, 0.3305,
0.5696

■ 21.9117, 0.2914,
0.2474

■ 13.3637, 0.3285,
0.5773

■ 23.0314, 0.2874,
0.2344

■ 24.2298, 0.2837,
0.2228

Harmonies

Analogous

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



16.1365, 0.3593, 0.3931



16.1365, 0.3251, 0.3921



16.1365, 0.2889, 0.3709

Triad

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



16.1365, 0.3251, 0.3921



16.1365, 0.2475, 0.2785



16.1365, 0.3673, 0.3184

Complementary

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



16.1365, 0.3251, 0.3921



11.2624, 0.2972, 0.2673

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.



16.1365, 0.3344, 0.2919



16.1365, 0.3251, 0.3921



16.1365, 0.2657, 0.2690

Square

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



16.1365, 0.3251, 0.3921



16.1365, 0.2455, 0.3025



16.1365, 0.2970, 0.2742



16.1365, 0.3850, 0.3486

Rectangle

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



16.1365, 0.3251, 0.3921



16.1365, 0.2684, 0.3487



16.1365, 0.2970, 0.2742



16.1365, 0.3576, 0.3089

Sweetspot

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



16.1372, 0.3251, 0.3921



30.9225, 0.3164, 0.3459



14.5710, 0.3534, 0.3642



7.0983, 0.3166, 0.3469



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.



16.1372, 0.3251, 0.3921



28.2921, 0.3278, 0.4090



15.5415, 0.3069, 0.3895



4.1655, 0.3173, 0.3505



14.7152, 0.3282, 0.5776



71.2309, 0.3245, 0.5805

Inverse Universe

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



11.2624, 0.2972, 0.2673



17.9015, 0.2926, 0.2513



11.9870, 0.3190, 0.2752



3.6858, 0.3077, 0.3077



2.7788, 0.2231, 0.1003



13.0303, 0.2183, 0.0976

Previews

White Background



This preview shows how the Yxy color 16.1365, 0.3251, 0.3921 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 16.1365, 0.3251, 0.3921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

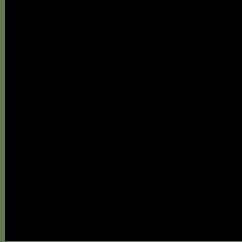
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

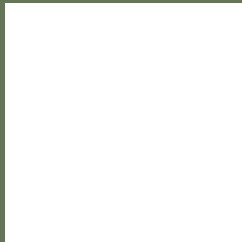
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.1365, 0.3251, 0.3921

Background



This preview shows how black text looks on a background with the Yxy color 16.1365, 0.3251, 0.3921.



This preview shows how white text looks on a background with the Yxy color 16.1365, 0.3251, 0.3921.

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

16.1365, 0.3251, 0.3921

Protanopia

15.9467, 0.3575, 0.3818

Deuteranopia

15.9994, 0.3689, 0.3619



Tritanopia

16.1940, 0.2931, 0.3127

Trichromacy



Original Color

16.1365, 0.3251, 0.3921

Protanomaly

15.9269, 0.3453, 0.3855

Deuteranomaly

16.0121, 0.3523, 0.3736

Tritanomaly

16.0223, 0.3045, 0.3395

Monochromacy



Original Color

16.1365, 0.3251, 0.3921

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.5921, 0.3183, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1365, 0.3251, 0.3921 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(100, 117, 88)` looks like.

```
.text, #text, p{  
    color:rgb(100, 117, 88)  
}
```

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(100, 117, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 117, 88) }
```

Border

The CSS property to change the border of an element to Yxy 16.1365, 0.3251, 0.3921 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(100, 117, 88) }
```

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

```
.border{ border-color:rgb(100, 117, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 117, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 117, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 117, 88);  
box-shadow:4px 4px 4px 4px rgb(100, 117,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1365, 0.3251, 0.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 117, 88) }
```

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

```
.background{ background-color: rgb(100,  
117, 88) }
```

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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