

Converting Colors

$Y_{xy}(16.2784, 0.3063, 0.4658)$

Have a look what the booklet for
Yxy(16.2784, 0.3063, 0.4658)
contains.

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Color

Yxy(16.2658, 0.3062, 0.4672)

Conversions

Conversions Part 1

Format	Color
Hex	437D43
RGB	67, 125, 67
RGB Percent	26%, 49%, 26%
CMY	0.7373, 0.5098, 0.7372
CMYK	0.46, 0.00, 0.46, 0.51
HSL	120°, 30%, 38%
HSV	120°, 46%, 49%
XYZ	10.6605, 16.2658, 7.8892
YIQ	101.0460, -15.9500, -30.3340

Conversions

Conversions Part 2

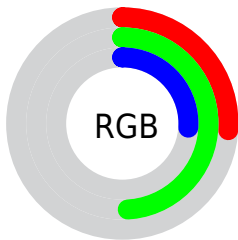
Format	Color
RYB	67, 125, 125
Decimal	4422979
CIELab	47.32, -31.81, 25.80
CIELCh	47, 40.953, 140.958
Yxy	16.2658, 0.3062, 0.4672
Android (android.graphics.Color)	4282613059 (0xFF437D43)
YUV	101.0460, -16.7847, -29.8583
Hunter-Lab	40.3309, -23.3968, 16.6338

Details

The Yxy color **16.2658, 0.3062, 0.4672** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.8520, 0.3178, 0.2211**, and the grayscale version is **13.0728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0237, 0.3104, 0.4307**, and **5.1682, 0.2933, 0.5390** is the 20% darker color. If you saturate the color by 10%, you get **15.7374, 0.3046, 0.5014**, and if you desaturate by 10%, it is **16.9233, 0.3078, 0.4331**.

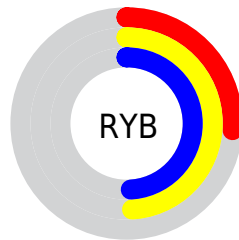
Distribution



Red (26%)

Green (49%)

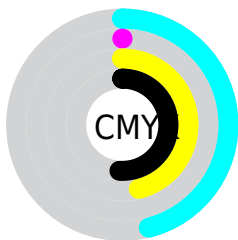
Blue (26%)



Red (26%)

Yellow (49%)

Blue (49%)

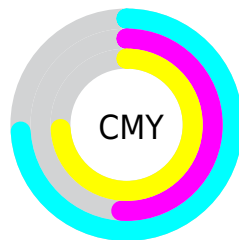


Cyan (46%)

Magenta (0%)

Yellow (46%)

Black (51%)



Cyan (74%)


Magenta (51%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2658, 0.3062, 0.4672 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 16.2658, 0.3062, 0.4672 by changing the saturation by 10% instead.


 16.2658, 0.3062,
0.4672


 16.2658, 0.3062,
0.4672


230.9051, 0.3129,
0.3817


 9.7124, 0.3020,
0.4967


 37.0590, 0.3101,
0.4309


 5.2087, 0.2937,
0.5410

 52.0677, 0.3110,
0.4189


 2.3702, 0.2860,
0.6375

 70.6636, 0.3116,
0.4095

 0.8105, 0.0000,
1.0000

 93.2311, 0.3121,
0.4018

 0.0000, 0.0000,
0.0000

 120.1546, 0.3124,
0.3955

151.8185, 0.3126,

0.3902

188.6072, 0.3128,
0.3856

■ 16.2658, 0.3062,
0.4672

■ 16.2658, 0.3062,
0.4672

■ 15.7374, 0.3046,
0.5014

■ 16.9233, 0.3078,
0.4331

■ 15.3277, 0.3031,
0.5336

■ 17.7155, 0.3093,
0.4007

■ 15.0282, 0.3018,
0.5611


■ 18.6499, 0.3107,
0.3709


■ 14.8282, 0.3008,
0.5819


■ 19.7331, 0.3120,
0.3444

■ 14.7075, 0.3002,
0.5954

■ 20.9712, 0.3131,
0.3210

 14.6688, 0.3000,
0.5999

 22.3698, 0.3141,
0.3007

 23.9346, 0.3149,
0.2831

 25.6706, 0.3156,
0.2679

 27.5829, 0.3162,
0.2549

Harmonies

Analogous

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



16.2658, 0.3828, 0.4753



16.2658, 0.3062, 0.4672



16.2658, 0.2355, 0.4008

Triad

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



16.2658, 0.3062, 0.4672



16.2658, 0.1888, 0.2133



16.2658, 0.4522, 0.3210

Complementary

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



16.2658, 0.3062, 0.4672



9.8520, 0.3178, 0.2211

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.



16.2658, 0.3855, 0.2680



16.2658, 0.3062, 0.4672



16.2658, 0.2320, 0.2087

Square

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



16.2658, 0.3062, 0.4672



16.2658, 0.1742, 0.2469



16.2658, 0.3020, 0.2283



16.2658, 0.4732, 0.3797

Rectangle

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



16.2658, 0.3062, 0.4672



16.2658, 0.2013, 0.3415



16.2658, 0.3020, 0.2283



16.2658, 0.4340, 0.3023

Sweetspot

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



16.2665, 0.3062, 0.4672



33.7758, 0.3110, 0.3651



19.4340, 0.3784, 0.4376



7.6078, 0.3108, 0.3701



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.



16.2665, 0.3062, 0.4672



28.1019, 0.3044, 0.5046



16.7055, 0.2791, 0.3965



4.8188, 0.3117, 0.3512



15.3084, 0.3000, 0.5999



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.8520, 0.3178, 0.2211



15.0673, 0.3189, 0.1996



9.2164, 0.3702, 0.2713



4.4124, 0.3137, 0.3077



6.0940, 0.3211, 0.1542



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.2658, 0.3062, 0.4672 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 16.2658, 0.3062, 0.4672 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 16.2658, 0.3062, 0.4672

Background



This preview shows how black text looks on a background with the Yxy color 16.2658, 0.3062, 0.4672.



This preview shows how white text looks on a background with the Yxy color 16.2658, 0.3062, 0.4672.

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

16.2658, 0.3062, 0.4672

Protanopia

16.1471, 0.3916, 0.4264

Deuteranopia

16.1212, 0.4025, 0.3959



Tritanopia

16.2209, 0.2595, 0.3076

Trichromacy



Original Color

16.2658, 0.3062, 0.4672

Protanomaly

15.9763, 0.3567, 0.4424

Deuteranomaly

15.7918, 0.3617, 0.4214

Tritanomaly

16.2112, 0.2763, 0.3629

Monochromacy



Original Color

16.2658, 0.3062, 0.4672

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.9970, 0.3104, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2658, 0.3062, 0.4672 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(67, 125, 67)` looks like.

```
.text, #text, p{  
    color:rgb(67, 125, 67)  
}
```

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(67, 125, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 125, 67) }
```

Border

The CSS property to change the border of an element to Yxy 16.2658, 0.3062, 0.4672 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(67, 125, 67) }
```

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

```
.border{ border-color:rgb(67, 125, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 125, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 125, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 125, 67);  
box-shadow:4px 4px 4px 4px rgb(67, 125,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2658, 0.3062, 0.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 125, 67) }
```

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

```
.background{ background-color: rgb(67, 125,  
67) }
```

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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