

Converting Colors

$Y_{xy}(12.1327, 0.3312, 0.4219)$

Have a look what the booklet for
Yxy(12.1327, 0.3312, 0.4219)
contains.

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Color

Yxy(12.1449, 0.3306, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	536843
RGB	83, 104, 67
RGB Percent	33%, 41%, 26%
CMY	0.6745, 0.5921, 0.7373
CMYK	0.20, 0.00, 0.36, 0.59
HSL	94°, 22%, 34%
HSV	94°, 36%, 41%
XYZ	9.5303, 12.1449, 7.1520
YIQ	93.5030, -0.6390, -15.9590

Conversions

Conversions Part 2

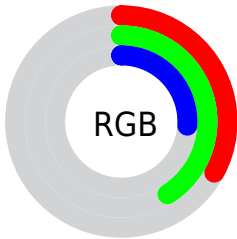
Format	Color
RYB	67, 104, 88
Decimal	5466179
CIELab	41.45, -15.32, 18.35
CIELCh	41, 23.904, 129.866
Yxy	12.1449, 0.3306, 0.4213
Android (android.graphics.Color)	4283656259 (0xFF536843)
YUV	93.5030, -13.0660, -9.2111
Hunter-Lab	34.8495, -12.1724, 12.2268

Details

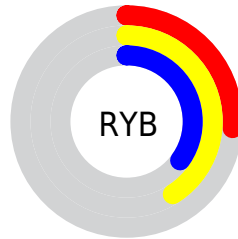
The Yxy color **12.1449, 0.3306, 0.4213** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.0892, 0.2879, 0.2392**, and the grayscale version is **11.1016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6670, 0.3273, 0.3966**, and **3.3814, 0.3353, 0.4763** is the 20% darker color. If you saturate the color by 10%, you get **11.7743, 0.3345, 0.4502**, and if you desaturate by 10%, it is **12.5618, 0.3260, 0.3932**.

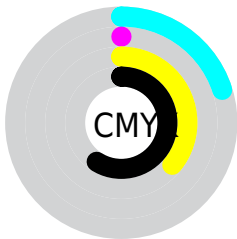
Distribution



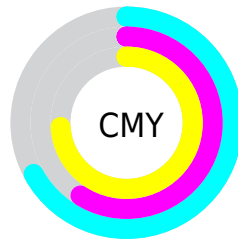
- Red (33%)
- Green (41%)
- Blue (26%)



- Red (26%)
- Yellow (41%)
- Blue (35%)



- Cyan (20%)
- Magenta (0%)
- Yellow (36%)
- Black (59%)




- Cyan (67%)
- Magenta (59%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1449, 0.3306, 0.4213 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 12.1449, 0.3306, 0.4213 by changing the saturation by 10% instead.


 12.1449, 0.3306,
0.4213


 12.1449, 0.3306,
0.4213


 205.3622, 0.3209,
0.3632


 6.8424, 0.3328,
0.4423


 29.7587, 0.3270,
0.3961

 3.3638, 0.3349,
0.4753

 42.8389, 0.3257,
0.3881


 1.3245, 0.3687,
0.5882

 59.2804, 0.3245,
0.3817

 0.1600, 0.0000,
1.0000

 79.4677, 0.3236,
0.3766

 0.0000, 0.0000,
0.0000

 103.7851, 0.3227,
0.3724

 132.6171, 0.3220,

0.3688

166.3480, 0.3214,
0.3658

■ 12.1449, 0.3306,
0.4213

■ 12.1449, 0.3306,
0.4213

■ 11.7743, 0.3345,
0.4502

■ 12.5618, 0.3260,
0.3932

■ 11.4468, 0.3373,
0.4790

■ 13.0252, 0.3209,
0.3666

■ 11.1609, 0.3387,
0.5064


■ 13.5371, 0.3157,
0.3419


■ 10.9146, 0.3384,
0.5310


■ 14.0990, 0.3104,
0.3193


■ 10.7055, 0.3364,
0.5516

■ 14.7124, 0.3052,
0.2988


 10.5293, 0.3330,
0.5678

 15.3786, 0.3002,
0.2803

 10.4582, 0.3315,
0.5750

 16.0989, 0.2955,
0.2638

 16.8746, 0.2910,
0.2491

 17.7069, 0.2868,
0.2359

Harmonies

Analogous

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



12.1449, 0.3789, 0.4191



12.1449, 0.3306, 0.4213



12.1449, 0.2798, 0.3915

Triad

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



12.1449, 0.3306, 0.4213



12.1449, 0.2220, 0.2585



12.1449, 0.3892, 0.3118

Complementary

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



12.1449, 0.3306, 0.4213



7.0892, 0.2879, 0.2392

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.



12.1449, 0.3410, 0.2765



12.1449, 0.3306, 0.4213



12.1449, 0.2457, 0.2461

Square

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



12.1449, 0.3306, 0.4213



12.1449, 0.2199, 0.2915



12.1449, 0.2880, 0.2531



12.1449, 0.4154, 0.3527

Rectangle

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



12.1449, 0.3306, 0.4213



12.1449, 0.2514, 0.3587



12.1449, 0.2880, 0.2531



12.1449, 0.3748, 0.2991

Sweetspot

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



12.1454, 0.3306, 0.4213



23.2225, 0.3187, 0.3558



10.3230, 0.3740, 0.3782



5.6452, 0.3192, 0.3582



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.1454, 0.3306, 0.4213



20.7399, 0.3340, 0.4463



11.5303, 0.3052, 0.4212



3.1950, 0.3174, 0.3499



12.8724, 0.3308, 0.5756



66.6383, 0.3267, 0.5788

Inverse Universe

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



7.0892, 0.2879, 0.2392



10.3833, 0.2800, 0.2157



7.9079, 0.3209, 0.2515



2.8331, 0.3077, 0.3083



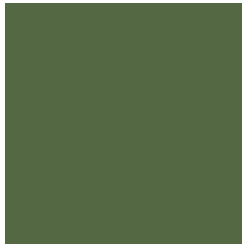
2.3612, 0.2200, 0.0986



11.7908, 0.2146, 0.0956

Previews

White Background



This preview shows how the Yxy color 12.1449, 0.3306, 0.4213 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 12.1449, 0.3306, 0.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

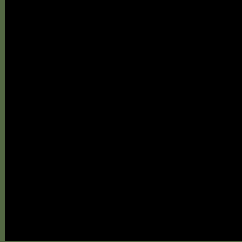
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1449, 0.3306, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 12.1449, 0.3306, 0.4213.



This preview shows how white text looks on a background with the Yxy color 12.1449, 0.3306, 0.4213.

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

12.1449, 0.3306, 0.4213

Protanopia

12.1697, 0.3744, 0.4055

Deuteranopia

11.9714, 0.3875, 0.3805



Tritanopia

12.1091, 0.2881, 0.3105

Trichromacy



Original Color

12.1449, 0.3306, 0.4213

Protanomaly

12.0927, 0.3585, 0.4110

Deuteranomaly

11.9098, 0.3661, 0.3954

Tritanomaly

12.1063, 0.3045, 0.3506

Monochromacy



Original Color

12.1449, 0.3306, 0.4213

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.5491, 0.3201, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1449, 0.3306, 0.4213 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, 104, 67)` looks like.

```
.text, #text, p{  
    color:rgb(83, 104, 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(83, 104, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 104, 67) }
```

Border

The CSS property to change the border of an element to Yxy 12.1449, 0.3306, 0.4213 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, 104, 67) }
```

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

```
.border{ border-color:rgb(83, 104, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 104, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 104, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 104, 67);  
box-shadow:4px 4px 4px 4px rgb(83, 104,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1449, 0.3306, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 104, 67) }
```

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

```
.background{ background-color: rgb(83, 104,  
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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