

Converting Colors

$Y_{xy}(12.5924, 0.3168, 0.4161)$

Have a look what the booklet for
Yxy(12.5924, 0.3168, 0.4161)
contains.

Yxy(12.6030, 0.3165, 0.4169)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.6030, 0.3165, 0.4169)

Conversions

Conversions Part 1

Format	Color
Hex	4E6B48
RGB	78, 107, 72
RGB Percent	31%, 42%, 28%
CMY	0.6942, 0.5804, 0.7176
CMYK	0.27, 0.00, 0.33, 0.58
HSL	110°, 20%, 35%
HSV	110°, 33%, 42%
XYZ	9.5679, 12.6030, 8.0594
YIQ	94.3390, -6.0490, -17.0330

Conversions

Conversions Part 2

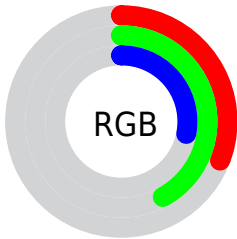
Format	Color
R_{YB}	72, 107, 101
Decimal	5139272
CIE _{Lab}	42.16, -18.09, 16.30
CIE _{LCh}	42, 24.352, 137.983
Yxy	12.6030, 0.3165, 0.4169
Android (android.graphics.Color)	4283329352 (0xFF4E6B48)
YUV	94.3390, -11.0131, -14.3293
Hunter-Lab	35.5007, -14.0183, 11.3904

Details

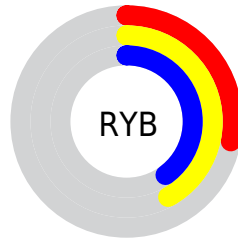
The Yxy color **12.6030, 0.3165, 0.4169** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.4653, 0.3059, 0.2504**, and the grayscale version is **11.3049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7659, 0.3164, 0.3932**, and **3.5188, 0.3142, 0.4666** is the 20% darker color. If you saturate the color by 10%, you get **12.1260, 0.3169, 0.4484**, and if you desaturate by 10%, it is **13.1559, 0.3156, 0.3872**.

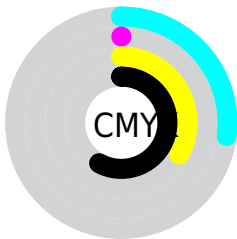
Distribution



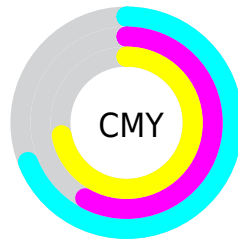
- Red (31%)
- Green (42%)
- Blue (28%)



- Red (28%)
- Yellow (42%)
- Blue (40%)



- Cyan (27%)
- Magenta (0%)
- Yellow (33%)
- Black (58%)





- Cyan (69%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6030, 0.3165, 0.4169 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 12.6030, 0.3165, 0.4169 by changing the saturation by 10% instead.


 12.6030, 0.3165,
0.4169


 12.6030, 0.3165,
0.4169


208.3574, 0.3153,
0.3616


 7.1557, 0.3160,
0.4370


 30.5887, 0.3165,
0.3929


 3.5597, 0.3141,
0.4687

 43.8959, 0.3163,
0.3852


 1.4304, 0.3229,
0.5514

 60.5919, 0.3161,
0.3792

 0.2390, 0.0000,
1.0000

 81.0611, 0.3159,
0.3743

 0.0000, 0.0000,
0.0000

 105.6878, 0.3158,
0.3703

134.8566, 0.3156,

0.3669

168.9516, 0.3154,
0.3641

■ 12.6030, 0.3165,
0.4169

■ 12.6030, 0.3165,
0.4169

■ 12.1260, 0.3169,
0.4484

■ 13.1559, 0.3156,
0.3872

■ 11.7202, 0.3168,
0.4806

■ 13.7863, 0.3145,
0.3599

■ 11.3825, 0.3159,
0.5120


■ 14.4976, 0.3131,
0.3352


■ 11.1090, 0.3143,
0.5407

■ 15.2925, 0.3116,
0.3133


■ 10.8956, 0.3119,
0.5647

■ 16.1736, 0.3101,
0.2939

 10.7373, 0.3091,
0.5826

 17.1435, 0.3086,
0.2768

 10.6481, 0.3075,
0.5940

 18.2045, 0.3071,
0.2619

 19.3589, 0.3057,
0.2488

 20.6090, 0.3044,
0.2374

Harmonies

Analogous

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



12.6030, 0.3672, 0.4233



12.6030, 0.3165, 0.4169



12.6030, 0.2672, 0.3793

Triad

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



12.6030, 0.3165, 0.4169



12.6030, 0.2259, 0.2527



12.6030, 0.3996, 0.3225

Complementary

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



12.6030, 0.3165, 0.4169



8.4653, 0.3059, 0.2504

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.



12.6030, 0.3555, 0.2849



12.6030, 0.3165, 0.4169



12.6030, 0.2552, 0.2457

Square

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



12.6030, 0.3165, 0.4169



12.6030, 0.2177, 0.2803



12.6030, 0.3017, 0.2576



12.6030, 0.4179, 0.3640

Rectangle

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



12.6030, 0.3165, 0.4169



12.6030, 0.2416, 0.3443



12.6030, 0.3017, 0.2576



12.6030, 0.3871, 0.3092

Sweetspot

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



12.6035, 0.3165, 0.4169



24.9788, 0.3142, 0.3536



12.8220, 0.3629, 0.3927



6.0144, 0.3143, 0.3563



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.6035, 0.3165, 0.4169



21.9209, 0.3169, 0.4401



12.5206, 0.2955, 0.3896



3.4673, 0.3140, 0.3503



12.9415, 0.3071, 0.5944



65.6715, 0.3046, 0.5964

Inverse Universe

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



8.4653, 0.3059, 0.2504



13.3036, 0.3038, 0.2324



8.6043, 0.3357, 0.2753



3.1391, 0.3113, 0.3083



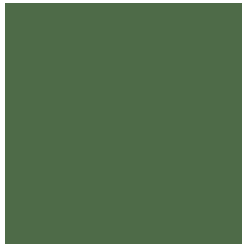
3.8482, 0.2797, 0.1315



19.2793, 0.2773, 0.1301

Previews

White Background



This preview shows how the Yxy color 12.6030, 0.3165, 0.4169 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 12.6030, 0.3165, 0.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

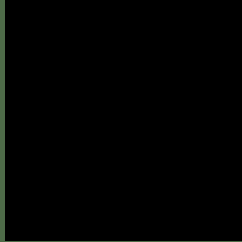
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6030, 0.3165, 0.4169

Background



This preview shows how black text looks on a background with the Yxy color 12.6030, 0.3165, 0.4169.



This preview shows how white text looks on a background with the Yxy color 12.6030, 0.3165, 0.4169.

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

12.6030, 0.3165, 0.4169

Protanopia

12.4792, 0.3682, 0.3961

Deuteranopia

12.4743, 0.3783, 0.3716



Tritanopia

12.5598, 0.2796, 0.3105

Trichromacy



Original Color

12.6030, 0.3165, 0.4169

Protanomaly

12.4317, 0.3474, 0.4044

Deuteranomaly

12.3017, 0.3545, 0.3862

Tritanomaly

12.5390, 0.2927, 0.3482

Monochromacy



Original Color

12.6030, 0.3165, 0.4169

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.6703, 0.3142, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6030, 0.3165, 0.4169 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(78, 107, 72)` looks like.

```
.text, #text, p{  
    color:rgb(78, 107, 72)  
}
```

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(78, 107, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 107, 72) }
```

Border

The CSS property to change the border of an element to Yxy 12.6030, 0.3165, 0.4169 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(78, 107, 72) }
```

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

```
.border{ border-color:rgb(78, 107, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 107, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 107, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 107, 72);  
box-shadow:4px 4px 4px 4px rgb(78, 107,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6030, 0.3165, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 107, 72) }
```

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

```
.background{ background-color: rgb(78, 107,  
72) }
```

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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