

Converting Colors

$Yxy(11.2992, 0.1754, 0.4248)$

Have a look what the booklet for
Yxy(11.2992, 0.1754, 0.4248)
contains.

Yxy(12.9334, 0.2469, 0.4089)	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(12.9334, 0.2469, 0.4089)

Conversions

Conversions Part 1

Format	Color
Hex	007356
RGB	0, 115, 86
RGB Percent	0%, 45%, 34%
CMY	1.0000, 0.5490, 0.6628
CMYK	1.00, 0.00, 0.25, 0.55
HSL	165°, 100%, 23%
HSV	165°, 100%, 45%
XYZ	7.8094, 12.9334, 10.8870
YIQ	77.3090, -59.2310, -33.3990

Conversions

Conversions Part 2

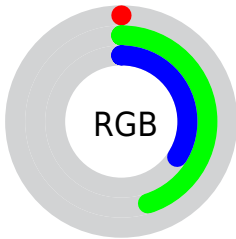
Format	Color
RYB	0, 66, 115
Decimal	29526
CIELab	42.66, -35.49, 8.31
CIELCh	43, 36.449, 166.814
Yxy	12.9334, 0.2469, 0.4089
Android (android.graphics.Color)	4278219606 (0xFF007356)
YUV	77.3090, 4.2847, -67.8000
Hunter-Lab	35.9630, -24.1740, 7.2255

Details

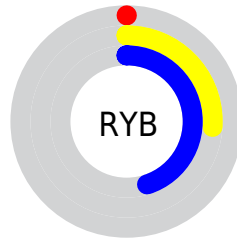
The Yxy color **12.9334, 0.2469, 0.4089** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.7340, 0.5822, 0.2981**, and the grayscale version is **7.4826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2787, 0.2641, 0.3870**, and **4.0565, 0.2563, 0.4428** is the 20% darker color. If you saturate the color by 10%, you get **12.9344, 0.2469, 0.4089**, and if you desaturate by 10%, it is **13.0567, 0.2473, 0.3999**.

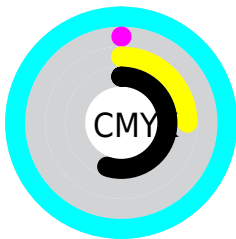
Distribution



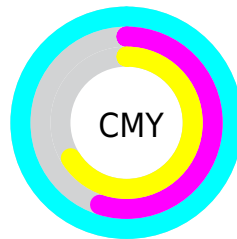
- Red (0%)
- Green (45%)
- Blue (34%)



- Red (0%)
- Yellow (26%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9334, 0.2469, 0.4089 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 12.9334, 0.2469, 0.4089 by changing the saturation by 10% instead.


 12.9334, 0.2469,
0.4089


 12.9334, 0.2469,
0.4089


210.4904, 0.2874,
0.3588


 7.3827, 0.2328,
0.4271


 31.1841, 0.2641,
0.3872


 3.7026, 0.2113,
0.4559


 44.6529, 0.2698,
0.3802

 1.5086, 0.1596,
0.5167

 61.5298, 0.2742,
0.3747

 0.2948, 0.0000,
1.0000


 82.1992, 0.2779,
0.3703


 0.0000, 0.0000,
0.0000

 107.0456, 0.2809,
0.3666

 136.4534, 0.2834,

0.3636


 170.8068, 0.2856,
0.3610


 12.9334, 0.2469,
0.4089


 12.9334, 0.2469,
0.4089


 12.9344, 0.2469,
0.4089

 13.0567, 0.2473,
0.3999

 13.2139, 0.2487,
0.3909

 13.4320, 0.2519,
0.3819

 13.7178, 0.2569,
0.3731

 14.0771, 0.2634,
0.3646

■ 14.5153, 0.2714,
0.3564

■ 15.0370, 0.2806,
0.3487

■ 15.6467, 0.2907,
0.3416

■ 16.3483, 0.3015,
0.3350

Harmonies

Analogous

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



12.9334, 0.3173, 0.4658



12.9334, 0.2469, 0.4089



12.9334, 0.1980, 0.3252

Triad

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



12.9334, 0.2469, 0.4089



12.9334, 0.2275, 0.2117



12.9334, 0.4674, 0.3708

Complementary

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



12.9334, 0.2469, 0.4089



3.7340, 0.5822, 0.2981

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.



12.9334, 0.4400, 0.3141



12.9334, 0.2469, 0.4089



12.9334, 0.2921, 0.2277

Square

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



12.9334, 0.2469, 0.4089



12.9334, 0.1892, 0.2201



12.9334, 0.3719, 0.2639



12.9334, 0.4466, 0.4264

Rectangle

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



12.9334, 0.2469, 0.4089



12.9334, 0.1820, 0.2766



12.9334, 0.3719, 0.2639



12.9334, 0.4638, 0.3516

Sweetspot

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



12.9344, 0.2469, 0.4089



26.8449, 0.2798, 0.3493



12.5488, 0.3138, 0.5890



6.3266, 0.2767, 0.3518



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.



12.9344, 0.2469, 0.4089



23.1375, 0.2475, 0.4112



8.2454, 0.2042, 0.2552



4.1403, 0.3025, 0.3344



14.7819, 0.2471, 0.4095



71.8908, 0.2484, 0.4143

Inverse Universe

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



3.7340, 0.5822, 0.2981



6.6665, 0.5885, 0.3016



4.4215, 0.6044, 0.3583



3.7146, 0.3240, 0.3237



4.2651, 0.5838, 0.2990



20.6649, 0.5966, 0.3060

Previews

White Background



This preview shows how the Yxy color 12.9334, 0.2469, 0.4089 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 12.9334, 0.2469, 0.4089 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 12.9334, 0.2469, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 12.9334, 0.2469, 0.4089.



This preview shows how white text looks on a background with the Yxy color 12.9334, 0.2469, 0.4089.

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

12.9334, 0.2469, 0.4089

Protanopia

12.8047, 0.3531, 0.3758

Deuteranopia

12.8650, 0.3493, 0.3441



Tritanopia

13.1183, 0.2302, 0.3069

Trichromacy



Original Color

12.9334, 0.2469, 0.4089

Protanomaly

11.9413, 0.2917, 0.3888

Deuteranomaly

12.0384, 0.2895, 0.3669

Tritanomaly

12.8652, 0.2340, 0.3390

Monochromacy



Original Color

12.9334, 0.2469, 0.4089

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.7143, 0.2679, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9334, 0.2469, 0.4089 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(0, 115, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 86)  
}
```

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(0, 115, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 86) }
```

Border

The CSS property to change the border of an element to Yxy 12.9334, 0.2469, 0.4089 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(0, 115, 86) }
```

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

```
.border{ border-color:rgb(0, 115, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9334, 0.2469, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 86) }
```

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

```
.background{ background-color: rgb(0, 115,  
86) }
```

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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