

Converting Colors

$Y_{xy}(12.0933, 0.2674, 0.4469)$

Have a look what the booklet for
Yxy(12.0933, 0.2674, 0.4469)
contains.

Yxy(12.0307, 0.2674, 0.4459)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.0307, 0.2674, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	1A6F46
RGB	26, 111, 70
RGB Percent	10%, 44%, 27%
CMY	0.8983, 0.5647, 0.7255
CMYK	0.77, 0.00, 0.37, 0.56
HSL	151°, 62%, 27%
HSV	151°, 77%, 44%
XYZ	7.2146, 12.0307, 7.7354
YIQ	80.9110, -37.4990, -30.7710

Conversions

Conversions Part 2

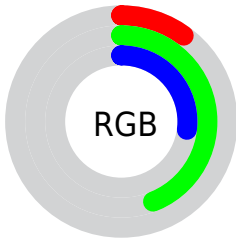
Format	Color
R_{YB}	26, 82, 111
Decimal	1732422
CIE _{Lab}	41.26, -35.13, 15.90
CIE _{LCh}	41, 38.558, 155.647
Yxy	12.0307, 0.2674, 0.4459
Android (android.graphics.Color)	4279922502 (0xFF1A6F46)
YUV	80.9110, -5.3791, -48.1569
Hunter-Lab	34.6853, -23.5708, 11.0571

Details

The Yxy color **12.0307, 0.2674, 0.4459** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.5207, 0.4357, 0.2482**, and the grayscale version is **8.2232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4111, 0.2806, 0.4110**, and **3.5198, 0.2733, 0.5039** is the 20% darker color. If you saturate the color by 10%, you get **11.8480, 0.2671, 0.4638**, and if you desaturate by 10%, it is **12.2771, 0.2695, 0.4279**.

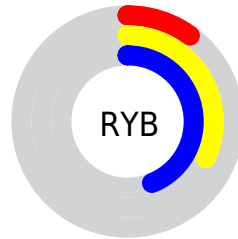
Distribution



Red (10%)

Green (44%)

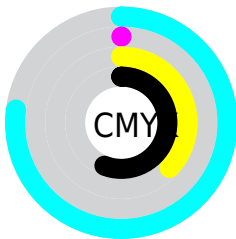
Blue (27%)



Red (10%)

Yellow (32%)

Blue (44%)

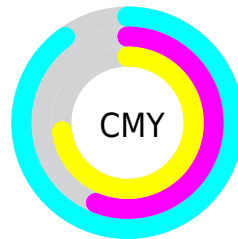


Cyan (77%)

Magenta (0%)

Yellow (37%)

Black (56%)



Cyan (90%)


Magenta (56%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0307, 0.2674, 0.4459 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 12.0307, 0.2674, 0.4459 by changing the saturation by 10% instead.


 12.0307, 0.2674,
0.4459


 12.0307, 0.2674,
0.4459


 204.6084, 0.2970,
0.3706


 6.7646, 0.2557,
0.4747


 29.5510, 0.2807,
0.4125


 3.3153, 0.2364,
0.5216

 42.5740, 0.2848,
0.4021


 1.2985, 0.1751,
0.6934

 58.9514, 0.2880,
0.3939

 0.1400, 0.0000,
1.0000

 79.0676, 0.2905,
0.3874

 0.0000, 0.0000,
0.0000

 103.3070, 0.2926,
0.3821

 132.0540, 0.2943,

0.3776

165.6930, 0.2957,
0.3739

■ 12.0307, 0.2674,
0.4459

■ 12.0307, 0.2674,
0.4459

■ 11.8480, 0.2671,
0.4638

■ 12.2771, 0.2695,
0.4279

■ 11.7131, 0.2683,
0.4813

■ 12.5916, 0.2732,
0.4103

■ 11.6705, 0.2687,
0.4872

■ 12.9801, 0.2783,
0.3933

■ 13.4474, 0.2846,
0.3773

■ 13.9977, 0.2916,
0.3625

■ 14.6351, 0.2993,
0.3488

■ 15.3633, 0.3073,
0.3365

■ 16.1858, 0.3155,
0.3254

■ 17.1060, 0.3236,
0.3155

Harmonies

Analogous

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



12.0307, 0.3465, 0.4854



12.0307, 0.2674, 0.4459



12.0307, 0.2051, 0.3582

Triad

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



12.0307, 0.2674, 0.4459



12.0307, 0.2026, 0.2036



12.0307, 0.4753, 0.3494

Complementary

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



12.0307, 0.2674, 0.4459



4.5207, 0.4357, 0.2482

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.



12.0307, 0.4269, 0.2912



12.0307, 0.2674, 0.4459



12.0307, 0.2613, 0.2117

Square

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



12.0307, 0.2674, 0.4459



12.0307, 0.1733, 0.2226



12.0307, 0.3438, 0.2427



12.0307, 0.4703, 0.4103

Rectangle

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



12.0307, 0.2674, 0.4459



12.0307, 0.1804, 0.2992



12.0307, 0.3438, 0.2427



12.0307, 0.4648, 0.3294

Sweetspot

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



12.0312, 0.2674, 0.4459



25.3886, 0.2939, 0.3582



12.6398, 0.3439, 0.5308



6.0242, 0.2917, 0.3623



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.0312, 0.2674, 0.4459



21.0258, 0.2681, 0.4775



12.4299, 0.2309, 0.3251



3.7894, 0.3054, 0.3393



13.7455, 0.2690, 0.4885



68.2970, 0.2716, 0.4976

Inverse Universe

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



4.5207, 0.4357, 0.2482



6.8287, 0.4794, 0.2485



4.2546, 0.5573, 0.3320



3.4258, 0.3207, 0.3189



4.2856, 0.4954, 0.2503



21.1757, 0.5075, 0.2569

Previews

White Background



This preview shows how the Yxy color 12.0307, 0.2674, 0.4459 looks on a white background.

Color Contrast Check

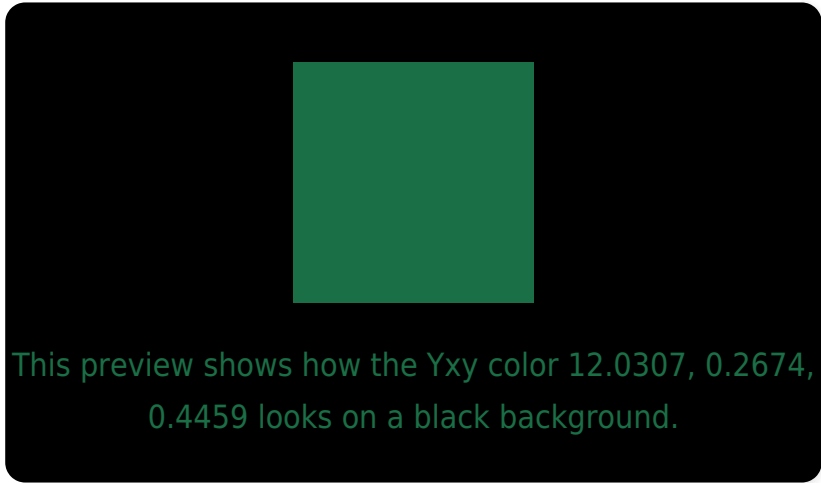
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.0307, 0.2674, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 12.0307, 0.2674, 0.4459.



This preview shows how white text looks on a background with the Yxy color 12.0307, 0.2674, 0.4459.

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

12.0307, 0.2674, 0.4459

Protanopia

11.9228, 0.3735, 0.4039

Deuteranopia

11.9005, 0.3763, 0.3704



Tritanopia

12.1038, 0.2378, 0.3089

Trichromacy



Original Color

12.0307, 0.2674, 0.4459

Protanomaly

11.4326, 0.3222, 0.4227

Deuteranomaly

11.3892, 0.3226, 0.3976

Tritanomaly

12.0383, 0.2481, 0.3553

Monochromacy



Original Color

12.0307, 0.2674, 0.4459

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.1822, 0.2872, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0307, 0.2674, 0.4459 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(26, 111, 70)` looks like.

```
.text, #text, p{  
    color:rgb(26, 111, 70)  
}
```

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(26, 111, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 111, 70) }
```

Border

The CSS property to change the border of an element to Yxy 12.0307, 0.2674, 0.4459 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(26, 111, 70) }
```

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

```
.border{ border-color:rgb(26, 111, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 111, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 111, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 111, 70);  
box-shadow:4px 4px 4px 4px rgb(26, 111,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0307, 0.2674, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 111, 70) }
```

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

```
.background{ background-color: rgb(26, 111,  
70) }
```

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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