

Converting Colors

$Yxy(30.3245, 0.3119, 0.4054)$

Have a look what the booklet for
Yxy(30.3245, 0.3119, 0.4054)
contains.

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Color

Yxy(30.3245, 0.3119, 0.4054)

Conversions

Conversions Part 1

Format	Color
Hex	77A074
RGB	119, 160, 116
RGB Percent	47%, 63%, 45%
CMY	0.5333, 0.3725, 0.5451
CMYK	0.26, 0.00, 0.28, 0.37
HSL	116°, 19%, 54%
HSV	116°, 28%, 63%
XYZ	23.3306, 30.3245, 21.1464
YIQ	142.7250, -10.3120, -22.3760

Conversions

Conversions Part 2

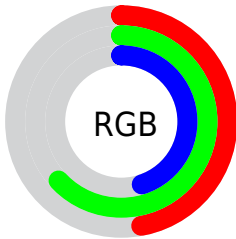
Format	Color
RYB	116, 160, 157
Decimal	7839860
CIELab	61.93, -22.86, 18.55
CIELCh	62, 29.434, 140.942
Yxy	30.3245, 0.3119, 0.4054
Android (android.graphics.Color)	4286029940 (0xFF77A074)
YUV	142.7250, -13.1754, -20.8068
Hunter-Lab	55.0677, -20.7432, 15.7796

Details

The Yxy color **30.3245, 0.3119, 0.4054** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.1981, 0.3123, 0.2616**, and the grayscale version is **27.4097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1987, 0.3128, 0.3891**, and **12.3956, 0.3102, 0.4355** is the 20% darker color. If you saturate the color by 10%, you get **29.0114, 0.3112, 0.4384**, and if you desaturate by 10%, it is **31.8698, 0.3124, 0.3749**.

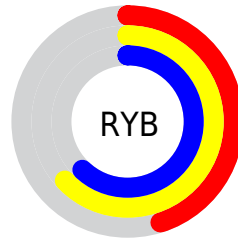
Distribution



Red (47%)

Green (63%)

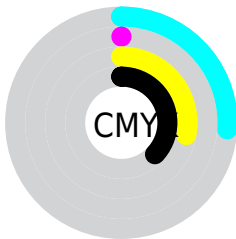
Blue (45%)



Red (45%)

Yellow (63%)

Blue (62%)

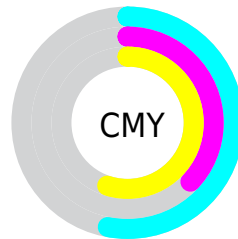


Cyan (26%)

Magenta (0%)

Yellow (28%)

Black (37%)



Cyan (53%)


Magenta (37%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3245, 0.3119, 0.4054 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 30.3245, 0.3119, 0.4054 by changing the saturation by 10% instead.


 30.3245, 0.3119,
0.4054


 30.3245, 0.3119,
0.4054


303.4141, 0.3132,
0.3628


 20.0850, 0.3111,
0.4177


 60.1750, 0.3127,
0.3888

 12.4569, 0.3098,
0.4347


 80.5548, 0.3129,
0.3829

 7.0556, 0.3072,
0.4594


 105.0835, 0.3130,
0.3780

 3.4969, 0.3017,
0.4987

134.1454, 0.3131,
0.3740

 1.3963, 0.3121,
0.6245

168.1251, 0.3131,
0.3706

 0.2140, 0.0000,
1.0000

207.4068, 0.3132,

 0.0000, 0.0000,

0.3676

0.0000

252.3750, 0.3132,
0.3651

■ 30.3245, 0.3119,
0.4054

■ 30.3245, 0.3119,
0.4054

■ 29.0114, 0.3112,
0.4384

■ 31.8698, 0.3124,
0.3749

■ 27.9157, 0.3101,
0.4729

■ 33.6538, 0.3126,
0.3475

■ 27.0268, 0.3088,
0.5070


■ 35.6873, 0.3127,
0.3232

■ 26.3317, 0.3072,
0.5386

■ 37.9794, 0.3127,
0.3021


■ 25.8158, 0.3053,
0.5651


■ 40.5388, 0.3126,
0.2837

 25.4626, 0.3035,
0.5845

 43.3737, 0.3124,
0.2678

 25.2502, 0.3019,
0.5962

 46.4920, 0.3122,
0.2541

 25.2135, 0.3017,
0.5986

 49.9013, 0.3119,
0.2422

 53.2823, 0.3156,
0.2362

Harmonies

Analogous

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



30.3245, 0.3582, 0.4146



30.3245, 0.3119, 0.4054



30.3245, 0.2679, 0.3698

Triad

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



30.3245, 0.3119, 0.4054



30.3245, 0.2355, 0.2583



30.3245, 0.3938, 0.3272

Complementary

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



30.3245, 0.3119, 0.4054



22.1981, 0.3123, 0.2616

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.



30.3245, 0.3560, 0.2920



30.3245, 0.3119, 0.4054



30.3245, 0.2642, 0.2534

Square

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



30.3245, 0.3119, 0.4054



30.3245, 0.2261, 0.2820



30.3245, 0.3077, 0.2658



30.3245, 0.4077, 0.3651

Rectangle

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



30.3245, 0.3119, 0.4054



30.3245, 0.2455, 0.3383



30.3245, 0.3077, 0.2658



30.3245, 0.3833, 0.3149

Sweetspot

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



30.3258, 0.3119, 0.4054



60.8771, 0.3126, 0.3492



32.6253, 0.3545, 0.3908



13.2441, 0.3126, 0.3530



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.3258, 0.3119, 0.4054



53.5475, 0.3115, 0.4254



30.5867, 0.2939, 0.3730



7.4216, 0.3126, 0.3520



19.6477, 0.3020, 0.5984



0.3569, 0.3115, 0.5909

Inverse Universe

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



22.1981, 0.3123, 0.2616



36.2870, 0.3120, 0.2465



21.9081, 0.3375, 0.2888



6.7316, 0.3127, 0.3069



6.9698, 0.3042, 0.1450



0.1308, 0.3114, 0.1489

Previews

White Background



This preview shows how the Yxy color 30.3245, 0.3119, 0.4054 looks on a white background.

Color Contrast Check

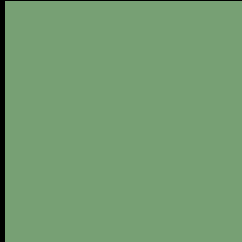
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.3245, 0.3119, 0.4054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

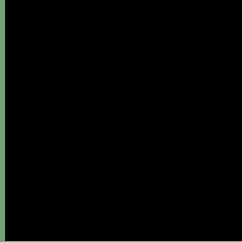
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3245, 0.3119, 0.4054

Background



This preview shows how black text looks on a background with the Yxy color 30.3245, 0.3119, 0.4054.



This preview shows how white text looks on a background with the Yxy color 30.3245, 0.3119, 0.4054.

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

30.3245, 0.3119, 0.4054

Protanopia

30.1162, 0.3623, 0.3881

Deuteranopia

29.9997, 0.3712, 0.3631



Tritanopia

30.4536, 0.2781, 0.3098

Trichromacy



Original Color

30.3245, 0.3119, 0.4054

Protanomaly

29.9945, 0.3424, 0.3942

Deuteranomaly

29.6968, 0.3476, 0.3767

Tritanomaly

30.2750, 0.2904, 0.3422

Monochromacy



Original Color

30.3245, 0.3119, 0.4054

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2567, 0.3125, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3245, 0.3119, 0.4054 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(119, 160, 116)` looks like.

```
.text, #text, p{  
    color:rgb(119, 160, 116)  
}
```

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(119, 160, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 160, 116) }
```

Border

The CSS property to change the border of an element to Yxy 30.3245, 0.3119, 0.4054 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(119, 160, 116) }
```

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

```
.border{ border-color:rgb(119, 160, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 160, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 160, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 160, 116);  
box-shadow:4px 4px 4px 4px rgb(119, 160,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3245, 0.3119, 0.4054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 160, 116) }
```

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

```
.background{ background-color: rgb(119,  
160, 116) }
```

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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