

Converting Colors

$Yxy(30.8007, 0.3225, 0.4737)$

Have a look what the booklet for
Yxy(30.8007, 0.3225, 0.4737)
contains.

Yxy(30.9158, 0.3229, 0.4740)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.9158, 0.3229, 0.4740)

Conversions

Conversions Part 1

Format	Color
Hex	69A654
RGB	105, 166, 84
RGB Percent	41%, 65%, 33%
CMY	0.5883, 0.3490, 0.6705
CMYK	0.37, 0.00, 0.49, 0.35
HSL	105°, 33%, 49%
HSV	105°, 49%, 65%
XYZ	21.0606, 30.9158, 13.2468
YIQ	138.4130, -10.0340, -38.4340

Conversions

Conversions Part 2

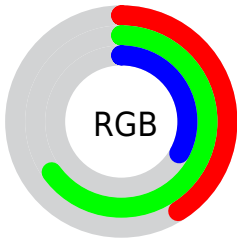
Format	Color
RYB	84, 166, 145
Decimal	6923860
CIELab	62.44, -35.53, 36.13
CIELCh	62, 50.673, 134.515
Yxy	30.9158, 0.3229, 0.4740
Android (android.graphics.Color)	4285113940 (0xFF69A654)
YUV	138.4130, -26.8256, -29.3032
Hunter-Lab	55.6020, -29.6923, 24.7959

Details

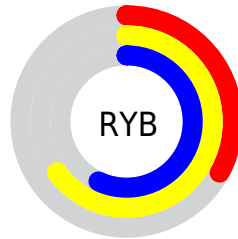
The Yxy color **30.9158, 0.3229, 0.4740** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.1193, 0.2910, 0.2024**, and the grayscale version is **25.6884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3628, 0.3233, 0.4429**, and **12.8860, 0.3185, 0.5305** is the 20% darker color. If you saturate the color by 10%, you get **29.9926, 0.3228, 0.5059**, and if you desaturate by 10%, it is **32.0120, 0.3220, 0.4414**.

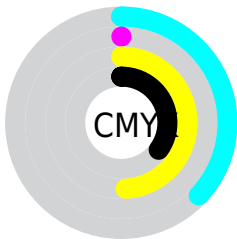
Distribution



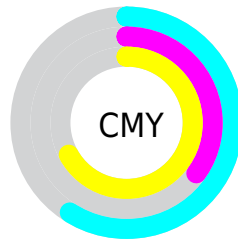
- Red (41%)
- Green (65%)
- Blue (33%)



- Red (33%)
- Yellow (65%)
- Blue (57%)



- Cyan (37%)
- Magenta (0%)
- Yellow (49%)
- Black (35%)





- Cyan (59%)
- Magenta (35%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9158, 0.3229, 0.4740 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 30.9158, 0.3229, 0.4740 by changing the saturation by 10% instead.


 30.9158, 0.3229,
0.4740


 30.9158, 0.3229,
0.4740


306.1502, 0.3208,
0.3924

 20.5347, 0.3217,
0.4974


 61.1075, 0.3232,
0.4421

 12.7843, 0.3188,
0.5292


 81.6869, 0.3230,
0.4308

 7.2802, 0.3118,
0.5741


 106.4345, 0.3227,
0.4215

 3.6380, 0.3052,
0.6624

 135.7348, 0.3223,
0.4137

 1.4732, 0.2305,
0.7695

 169.9722, 0.3219,
0.4072

 0.2697, 0.0000,
1.0000

209.5309, 0.3215,

 0.0000, 0.0000,

0.4015

0.0000

254.7955, 0.3212,
0.3967

■ 30.9158, 0.3229,
0.4740

■ 30.9158, 0.3229,
0.4740

■ 29.9926, 0.3228,
0.5059

■ 32.0120, 0.3220,
0.4414

■ 29.2294, 0.3215,
0.5352

■ 33.2856, 0.3202,
0.4096

■ 28.6173, 0.3190,
0.5598


■ 34.7458, 0.3179,
0.3798


■ 28.1453, 0.3154,
0.5782

■ 36.3998, 0.3153,
0.3523

■ 27.7950, 0.3112,
0.5906

■ 38.2546, 0.3125,
0.3276

 27.7766, 0.3110,
0.5913

 40.3167, 0.3097,
0.3056

 42.5924, 0.3069,
0.2861

 45.0877, 0.3042,
0.2690

 47.8084, 0.3016,
0.2540

Harmonies

Analogous

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



30.9158, 0.3980, 0.4697



30.9158, 0.3229, 0.4740



30.9158, 0.2492, 0.4186

Triad

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



30.9158, 0.3229, 0.4740



30.9158, 0.1833, 0.2180



30.9158, 0.4409, 0.3089

Complementary

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



30.9158, 0.3229, 0.4740



15.1193, 0.2910, 0.2024

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.



30.9158, 0.3677, 0.2581



30.9158, 0.3229, 0.4740



30.9158, 0.2204, 0.2076

Square

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



30.9158, 0.3229, 0.4740



30.9158, 0.1750, 0.2584



30.9158, 0.2852, 0.2223



30.9158, 0.4729, 0.3669

Rectangle

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



30.9158, 0.3229, 0.4740



30.9158, 0.2109, 0.3606



30.9158, 0.2852, 0.2223



30.9158, 0.4197, 0.2908

Sweetspot

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



30.9171, 0.3229, 0.4740



64.2461, 0.3169, 0.3681



28.7374, 0.3985, 0.4192



14.2439, 0.3174, 0.3738



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.9171, 0.3229, 0.4740



54.3221, 0.3228, 0.5081



30.1424, 0.2924, 0.4463



8.4970, 0.3153, 0.3521



21.5571, 0.3115, 0.5908



0.5482, 0.3362, 0.5713

Inverse Universe

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



15.1193, 0.2910, 0.2024



22.3159, 0.2843, 0.1771



16.5529, 0.3442, 0.2359



7.5686, 0.3098, 0.3065



5.4551, 0.2581, 0.1195



0.1550, 0.2800, 0.1316

Previews

White Background



This preview shows how the Yxy color 30.9158, 0.3229, 0.4740 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 30.9158, 0.3229, 0.4740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

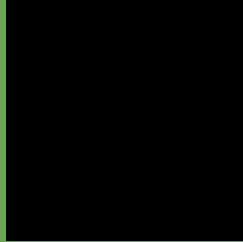
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9158, 0.3229, 0.4740

Background



This preview shows how black text looks on a background with the Yxy color 30.9158, 0.3229, 0.4740.



This preview shows how white text looks on a background with the Yxy color 30.9158, 0.3229, 0.4740.

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

30.9158, 0.3229, 0.4740

Protanopia

30.4842, 0.3987, 0.4334

Deuteranopia

30.3282, 0.4118, 0.4034



Tritanopia

30.9716, 0.2696, 0.3096

Trichromacy



Original Color

30.9158, 0.3229, 0.4740

Protanomaly

30.3003, 0.3685, 0.4489

Deuteranomaly

29.7078, 0.3766, 0.4278

Tritanomaly

30.6214, 0.2901, 0.3666

Monochromacy



Original Color

30.9158, 0.3229, 0.4740

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.9234, 0.3185, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9158, 0.3229, 0.4740 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(105, 166, 84)` looks like.

```
.text, #text, p{  
    color:rgb(105, 166, 84)  
}
```

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(105, 166, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 166, 84) }
```

Border

The CSS property to change the border of an element to Yxy 30.9158, 0.3229, 0.4740 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(105, 166, 84) }
```

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

```
.border{ border-color:rgb(105, 166, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 166, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 166, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 166, 84);  
box-shadow:4px 4px 4px 4px rgb(105, 166,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9158, 0.3229, 0.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 166, 84) }
```

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

```
.background{ background-color: rgb(105,  
166, 84) }
```

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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