

Converting Colors

$Yxy(32.8145, 0.3234, 0.4809)$

Have a look what the booklet for
Yxy(32.8145, 0.3234, 0.4809)
contains.

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Color

Yxy(32.8145, 0.3234, 0.4809)

Conversions

Conversions Part 1

Format	Color
Hex	6AAB53
RGB	106, 171, 83
RGB Percent	42%, 67%, 33%
CMY	0.5843, 0.3294, 0.6745
CMYK	0.38, 0.00, 0.51, 0.33
HSL	104°, 35%, 50%
HSV	104°, 51%, 67%
XYZ	22.0674, 32.8145, 13.3537
YIQ	141.5330, -10.4920, -41.1480

Conversions

Conversions Part 2

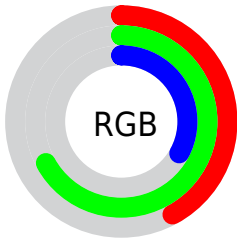
Format	Color
RYB	83, 171, 148
Decimal	6990675
CIELab	64.01, -37.56, 38.58
CIELCh	64, 53.848, 134.235
Yxy	32.8145, 0.3234, 0.4809
Android (android.graphics.Color)	4285180755 (0xFF6AAB53)
YUV	141.5330, -28.8568, -31.1624
Hunter-Lab	57.2839, -31.4837, 26.2774

Details

The Yxy color **32.8145, 0.3234, 0.4809** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.4237, 0.2890, 0.1967**, and the grayscale version is **26.9753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1330, 0.3238, 0.4488**, and **13.8292, 0.3190, 0.5357** is the 20% darker color. If you saturate the color by 10%, you get **31.8658, 0.3231, 0.5124**, and if you desaturate by 10%, it is **33.9452, 0.3226, 0.4483**.

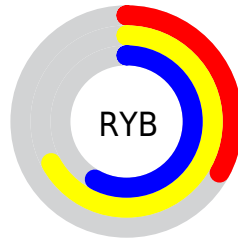
Distribution



Red (42%)

Green (67%)

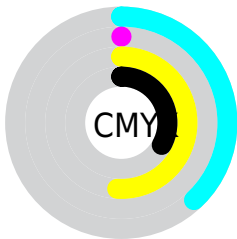
Blue (33%)



Red (33%)

Yellow (67%)

Blue (58%)

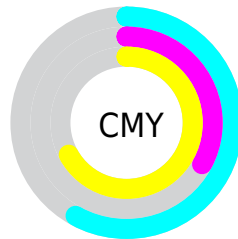


Cyan (38%)

Magenta (0%)

Yellow (51%)

Black (33%)



Cyan (58%)


Magenta (33%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8145, 0.3234, 0.4809 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 32.8145, 0.3234, 0.4809 by changing the saturation by 10% instead.


 32.8145, 0.3234,
0.4809


 32.8145, 0.3234,
0.4809


314.8130, 0.3215,
0.3961

 21.9844, 0.3220,
0.5048


 64.0858, 0.3239,
0.4480

 13.8454, 0.3188,
0.5370


 85.2958, 0.3237,
0.4362

 8.0132, 0.3113,
0.5818


 110.7345, 0.3234,
0.4266

 4.1034, 0.3027,
0.6654

 140.7864, 0.3230,
0.4185

 1.7316, 0.2435,
0.7565

 175.8357, 0.3226,
0.4116

 0.4440, 0.0000,
1.0000

216.2671, 0.3222,

 0.0000, 0.0000,

0.4057

0.0000

262.4647, 0.3219,
0.4006

■ 32.8145, 0.3234,
0.4809

■ 32.8145, 0.3234,
0.4809

■ 31.8658, 0.3231,
0.5124

■ 33.9452, 0.3226,
0.4483

■ 31.0850, 0.3216,
0.5408

■ 35.2626, 0.3209,
0.4163

■ 30.4627, 0.3188,
0.5642

■ 36.7767, 0.3187,
0.3859

■ 29.9863, 0.3149,
0.5811

■ 38.4953, 0.3160,
0.3578

■ 29.6783, 0.3113,
0.5910

■ 40.4257, 0.3131,
0.3325

■ 42.5752, 0.3102,
0.3099

■ 44.9503, 0.3073,
0.2898

■ 47.5575, 0.3045,
0.2722

■ 50.4030, 0.3018,
0.2568

Harmonies

Analogous

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



32.8145, 0.4012, 0.4747



32.8145, 0.3234, 0.4809



32.8145, 0.2470, 0.4235

Triad

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



32.8145, 0.3234, 0.4809



32.8145, 0.1787, 0.2142



32.8145, 0.4457, 0.3072

Complementary

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



32.8145, 0.3234, 0.4809



15.4237, 0.2890, 0.1967

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.



32.8145, 0.3690, 0.2551



32.8145, 0.3234, 0.4809



32.8145, 0.2165, 0.2034

Square

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



32.8145, 0.3234, 0.4809



32.8145, 0.1704, 0.2559



32.8145, 0.2831, 0.2184



32.8145, 0.4793, 0.3668

Rectangle

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



32.8145, 0.3234, 0.4809



32.8145, 0.2074, 0.3626



32.8145, 0.2831, 0.2184



32.8145, 0.4235, 0.2886

Sweetspot

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



32.8159, 0.3234, 0.4809



67.7249, 0.3170, 0.3682



30.3177, 0.4027, 0.4228



14.9621, 0.3176, 0.3739



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.8159, 0.3234, 0.4809



56.8181, 0.3230, 0.5173



31.9566, 0.2918, 0.4525



9.0368, 0.3154, 0.3522



22.3940, 0.3119, 0.5906



0.6495, 0.3351, 0.5721

Inverse Universe

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



15.4237, 0.2890, 0.1967



22.0817, 0.2814, 0.1699



17.0620, 0.3460, 0.2321



8.0412, 0.3097, 0.3064



5.6051, 0.2566, 0.1187



0.1804, 0.2771, 0.1300

Previews

White Background



This preview shows how the Yxy color 32.8145, 0.3234, 0.4809 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 32.8145, 0.3234, 0.4809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

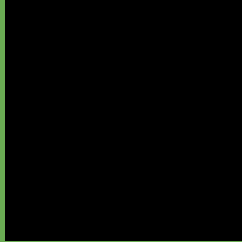
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8145, 0.3234, 0.4809

Background



This preview shows how black text looks on a background with the Yxy color 32.8145, 0.3234, 0.4809.



This preview shows how white text looks on a background with the Yxy color 32.8145, 0.3234, 0.4809.

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

32.8145, 0.3234, 0.4809

Protanopia

32.6364, 0.4022, 0.4396

Deuteranopia

32.2801, 0.4164, 0.4076



Tritanopia

32.6833, 0.2682, 0.3085

Trichromacy



Original Color

32.8145, 0.3234, 0.4809

Protanomaly

32.2573, 0.3705, 0.4563

Deuteranomaly

31.7342, 0.3789, 0.4340

Tritanomaly

32.5464, 0.2889, 0.3692

Monochromacy



Original Color

32.8145, 0.3234, 0.4809

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.8301, 0.3181, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8145, 0.3234, 0.4809 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(106, 171, 83)` looks like.

```
.text, #text, p{  
    color:rgb(106, 171, 83)  
}
```

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(106, 171, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 171, 83) }
```

Border

The CSS property to change the border of an element to Yxy 32.8145, 0.3234, 0.4809 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(106, 171, 83) }
```

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

```
.border{ border-color:rgb(106, 171, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 171, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 171, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 171, 83);  
box-shadow:4px 4px 4px 4px rgb(106, 171,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8145, 0.3234, 0.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 171, 83) }
```

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

```
.background{ background-color: rgb(106,  
171, 83) }
```

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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