

Converting Colors

Yxy(32.5944, 0.3162, 0.4834)

Have a look what the booklet for
Yxy(32.5944, 0.3162, 0.4834)
contains.

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Color

Yxy(32.7418, 0.3159, 0.4835)

Conversions

Conversions Part 1

Format	Color
Hex	62AC54
RGB	98, 172, 84
RGB Percent	38%, 67%, 33%
CMY	0.6156, 0.3255, 0.6705
CMYK	0.43, 0.00, 0.51, 0.33
HSL	110°, 35%, 50%
HSV	110°, 51%, 67%
XYZ	21.3922, 32.7418, 13.5843
YIQ	139.8420, -15.8560, -43.0560

Conversions

Conversions Part 2

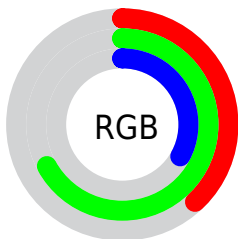
Format	Color
RYB	84, 172, 158
Decimal	6466644
CIELab	63.95, -40.48, 37.91
CIElCh	64, 55.458, 136.874
Yxy	32.7418, 0.3159, 0.4835
Android (android.graphics.Color)	4284656724 (0xFF62AC54)
YUV	139.8420, -27.5301, -36.6954
Hunter-Lab	57.2205, -33.4025, 25.9787

Details

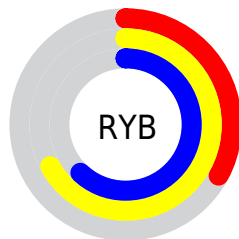
The Yxy color **32.7418, 0.3159, 0.4835** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.5921, 0.3006, 0.2018**, and the grayscale version is **26.2778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0084, 0.3183, 0.4503**, and **13.8286, 0.3088, 0.5409** is the 20% darker color. If you saturate the color by 10%, you get **31.7725, 0.3149, 0.5163**, and if you desaturate by 10%, it is **33.9255, 0.3162, 0.4497**.

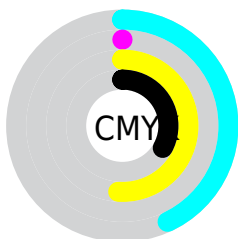
Distribution



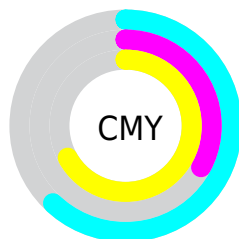
- Red (38%)
- Green (67%)
- Blue (33%)



- Red (33%)
- Yellow (67%)
- Blue (62%)



- Cyan (43%)
- Magenta (0%)
- Yellow (51%)
- Black (33%)



- Cyan (62%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7418, 0.3159, 0.4835 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 32.7418, 0.3159, 0.4835 by changing the saturation by 10% instead.


 32.7418, 0.3159,
0.4835


 32.7418, 0.3159,
0.4835


314.4847, 0.3180,
0.3968

 21.9287, 0.3134,
0.5082


 63.9722, 0.3179,
0.4497

 13.8045, 0.3088,
0.5415


 85.1583, 0.3183,
0.4377


 7.9848, 0.2994,
0.5883


 110.5709, 0.3184,
0.4278

 4.0853, 0.2868,
0.6741

 140.5944, 0.3184,
0.4196

 1.7214, 0.2180,
0.7820

 175.6131, 0.3184,
0.4126

 0.4374, 0.0000,
1.0000

216.0114, 0.3183,

 0.0000, 0.0000,

0.4066

0.0000

262.1738, 0.3182,
0.4014

■ 32.7418, 0.3159,
0.4835

■ 32.7418, 0.3159,
0.4835

■ 31.7725, 0.3149,
0.5163

■ 33.9255, 0.3162,
0.4497

■ 31.0006, 0.3130,
0.5458

■ 35.3310, 0.3159,
0.4166

■ 30.4133, 0.3105,
0.5697

■ 36.9706, 0.3152,
0.3855

■ 29.9945, 0.3074,
0.5865

■ 38.8543, 0.3141,
0.3572

■ 29.7429, 0.3049,
0.5961

■ 40.9918, 0.3129,
0.3317

■ 43.3918, 0.3115,
0.3093

■ 46.0631, 0.3101,
0.2896

■ 49.0137, 0.3087,
0.2724

■ 52.2516, 0.3073,
0.2575

Harmonies

Analogous

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



32.7418, 0.3965, 0.4815



32.7418, 0.3159, 0.4835



32.7418, 0.2388, 0.4190

Triad

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



32.7418, 0.3159, 0.4835



32.7418, 0.1776, 0.2090



32.7418, 0.4549, 0.3114

Complementary

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



32.7418, 0.3159, 0.4835



16.5921, 0.3006, 0.2018

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.



32.7418, 0.3785, 0.2573



32.7418, 0.3159, 0.4835



32.7418, 0.2188, 0.2007

Square

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



32.7418, 0.3159, 0.4835



32.7418, 0.1664, 0.2483



32.7418, 0.2894, 0.2182



32.7418, 0.4844, 0.3726

Rectangle

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



32.7418, 0.3159, 0.4835



32.7418, 0.2001, 0.3549



32.7418, 0.2894, 0.2182



32.7418, 0.4333, 0.2923

Sweetspot

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



32.7432, 0.3159, 0.4835



69.0254, 0.3146, 0.3685



33.6391, 0.3958, 0.4333



14.8499, 0.3148, 0.3743



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.



32.7432, 0.3159, 0.4835



57.4932, 0.3147, 0.5192



32.5909, 0.2859, 0.4352



8.9983, 0.3139, 0.3523



22.1500, 0.3054, 0.5957



0.6344, 0.3223, 0.5823

Inverse Universe

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



16.5921, 0.3006, 0.2018



24.9469, 0.2966, 0.1784



17.0883, 0.3586, 0.2440



8.0826, 0.3113, 0.3065



6.6911, 0.2816, 0.1325



0.2031, 0.2943, 0.1395

Previews

White Background



This preview shows how the Yxy color 32.7418, 0.3159, 0.4835 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 32.7418, 0.3159, 0.4835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

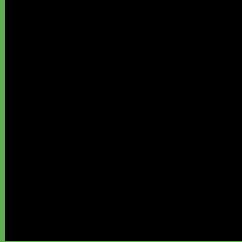
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7418, 0.3159, 0.4835

Background



This preview shows how black text looks on a background with the Yxy color 32.7418, 0.3159, 0.4835.



This preview shows how white text looks on a background with the Yxy color 32.7418, 0.3159, 0.4835.

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

32.7418, 0.3159, 0.4835

Protanopia

32.2073, 0.4010, 0.4377

Deuteranopia

32.1704, 0.4143, 0.4067



Tritanopia

32.5806, 0.2623, 0.3083

Trichromacy



Original Color

32.7418, 0.3159, 0.4835

Protanomaly

31.9982, 0.3665, 0.4564

Deuteranomaly

31.4501, 0.3748, 0.4339

Tritanomaly

32.4766, 0.2826, 0.3697

Monochromacy



Original Color

32.7418, 0.3159, 0.4835

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

28.1725, 0.3151, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7418, 0.3159, 0.4835 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(98, 172, 84)` looks like.

```
.text, #text, p{  
    color:rgb(98, 172, 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(98, 172, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 172, 84) }
```

Border

The CSS property to change the border of an element to Yxy 32.7418, 0.3159, 0.4835 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(98, 172, 84) }
```

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

```
.border{ border-color:rgb(98, 172, 84) }
```

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

Here you see how a box with a 4 pixel rgb(98, 172, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 172, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 172, 84);  
box-shadow:4px 4px 4px 4px rgb(98, 172,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7418, 0.3159, 0.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 172, 84) }
```

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

```
.background{ background-color: rgb(98, 172,  
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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