

# Converting Colors

$Yxy(32.7556, 0.3097, 0.4593)$

Have a look what the booklet for  
Yxy(32.7556, 0.3097, 0.4593)  
contains.

<b>Yxy(32.7556, 0.3097, 0.4593)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(32.7556, 0.3097, 0.4593)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65AB61
RGB	101, 171, 97
RGB Percent	40%, 67%, 38%
CMY	0.6040, 0.3294, 0.6195
CMYK	0.41, 0.00, 0.43, 0.33
HSL	117°, 31%, 53%
HSV	117°, 43%, 67%
XYZ	22.0867, 32.7556, 16.4741
YIQ	141.6340, -17.9660, -37.8540

# Conversions

## Conversions Part 2

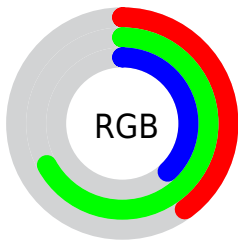
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 171, 167
Decimal	6663009
CIELab	63.96, -37.27, 31.29
CIELCh	64, 48.665, 139.980
Yxy	32.7556, 0.3097, 0.4593
Android (android.graphics.Color)	4284853089 (0xFF65AB61)
YUV	141.6340, -22.0046, -35.6360
Hunter-Lab	57.2325, -31.2717, 22.9964

# Details

The Yxy color **32.7556, 0.3097, 0.4593** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.7165, 0.3127, 0.2236**, and the grayscale version is **26.9917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0767, 0.3118, 0.4305**, and **13.7830, 0.3025, 0.5082** is the 20% darker color. If you saturate the color by 10%, you get **31.6276, 0.3084, 0.4941**, and if you desaturate by 10%, it is **34.1392, 0.3108, 0.4249**.

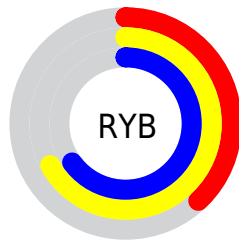
# Distribution



Red (40%)

Green (67%)

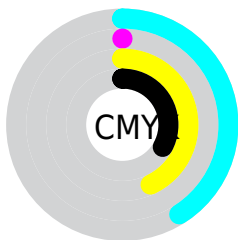
Blue (38%)



Red (38%)

Yellow (67%)

Blue (65%)

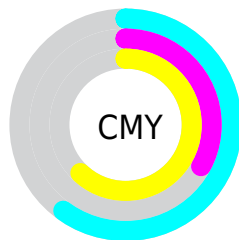


Cyan (41%)

Magenta (0%)

Yellow (43%)

Black (33%)



Cyan (60%)

Magenta (33%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7556, 0.3097, 0.4593 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 32.7556, 0.3097, 0.4593 by changing the saturation by 10% instead.




 32.7556, 0.3097,  
0.4593

 32.7556, 0.3097,  
0.4593


314.5470, 0.3139,  
0.3863


 21.9393, 0.3073,  
0.4803


 63.9938, 0.3121,  
0.4308


 13.8123, 0.3032,  
0.5089


 85.1844, 0.3127,  
0.4207

 7.9902, 0.2956,  
0.5499


 110.6020, 0.3132,  
0.4124

 4.0887, 0.2808,  
0.6140

 140.6308, 0.3134,  
0.4054

 1.7233, 0.2451,  
0.7549

175.6553, 0.3136,  
0.3996

 0.4387, 0.0000,  
1.0000

216.0600, 0.3138,

 0.0000, 0.0000,

0.3945

0.0000

262.2290, 0.3139,  
0.3901

■ 32.7556, 0.3097,  
0.4593

■ 32.7556, 0.3097,  
0.4593

■ 31.6276, 0.3084,  
0.4941

■ 34.1392, 0.3108,  
0.4249

■ 30.7356, 0.3068,  
0.5273

■ 35.7882, 0.3116,  
0.3926

■ 30.0642, 0.3051,  
0.5563


■ 37.7170, 0.3122,  
0.3631


■ 29.5940, 0.3034,  
0.5786


■ 39.9378, 0.3126,  
0.3369

■ 29.3024, 0.3018,  
0.5929


■ 42.4620, 0.3129,  
0.3138

 29.1868, 0.3012,  
0.5990

 45.3005, 0.3130,  
0.2938

 48.4634, 0.3131,  
0.2765

 51.9607, 0.3131,  
0.2616

 55.8018, 0.3130,  
0.2488

# Harmonies

## Analogous

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



32.7556, 0.3821, 0.4663



32.7556, 0.3097, 0.4593



32.7556, 0.2420, 0.3989

# Triad

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



32.7556, 0.3097, 0.4593



32.7556, 0.1940, 0.2199



32.7556, 0.4425, 0.3203

# Complementary

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



32.7556, 0.3097, 0.4593



19.7165, 0.3127, 0.2236

# 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.



32.7556, 0.3789, 0.2698



32.7556, 0.3097, 0.4593



32.7556, 0.2346, 0.2143

# Square

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



32.7556, 0.3097, 0.4593



32.7556, 0.1810, 0.2534



32.7556, 0.3004, 0.2323



32.7556, 0.4643, 0.3764



# Rectangle

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



32.7556, 0.3097, 0.4593



32.7556, 0.2086, 0.3439



32.7556, 0.3004, 0.2323



32.7556, 0.4249, 0.3025

# Sweetspot

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



32.7570, 0.3097, 0.4593



67.5558, 0.3122, 0.3630



36.8213, 0.3785, 0.4275



14.8891, 0.3121, 0.3691



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.



32.7570, 0.3097, 0.4593



56.7012, 0.3084, 0.4930



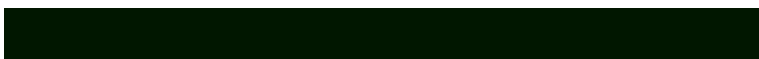
33.2580, 0.2837, 0.4021



8.9590, 0.3124, 0.3524



22.0084, 0.3015, 0.5988



0.6187, 0.3078, 0.5938



# Inverse Universe

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



19.7165, 0.3127, 0.2236



30.2263, 0.3123, 0.2026



19.0757, 0.3597, 0.2667



8.1260, 0.3129, 0.3066



8.0040, 0.3078, 0.1469



0.2291, 0.3120, 0.1493



# Previews

## White Background



This preview shows how the Yxy color 32.7556, 0.3097, 0.4593 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 32.7556, 0.3097, 0.4593 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

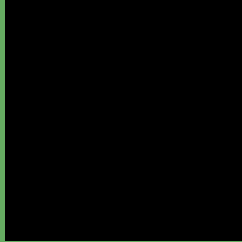
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.7556, 0.3097, 0.4593**

## Background



This preview shows how black text looks on a background with the Yxy color 32.7556, 0.3097, 0.4593.



This preview shows how white text looks on a background with the Yxy color 32.7556, 0.3097, 0.4593.

# 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

32.7556, 0.3097, 0.4593

### Protanopia

32.3015, 0.3888, 0.4213

### Deuteranopia

32.1610, 0.3994, 0.3905



## Tritanopia

32.6488, 0.2631, 0.3083

# Trichromacy



**Original Color**

32.7556, 0.3097, 0.4593

**Protanomaly**

31.8612, 0.3566, 0.4362

**Deuteranomaly**

31.5865, 0.3622, 0.4150

**Tritanomaly**

32.3964, 0.2802, 0.3592

# Monochromacy



**Original Color**

32.7556, 0.3097, 0.4593

**Achromatopsia**

27.0498, 0.3127, 0.3290

**Achromatomaly**

28.8008, 0.3115, 0.3753

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.7556, 0.3097, 0.4593 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(101, 171, 97)` looks like.

```
.text, #text, p{  
    color:rgb(101, 171, 97)  
}
```

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(101, 171, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 171, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 32.7556, 0.3097, 0.4593 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(101, 171, 97) }
```

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

```
.border{ border-color:rgb(101, 171, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 171, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 171, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 171, 97);  
box-shadow:4px 4px 4px 4px rgb(101, 171,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.7556, 0.3097, 0.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 171, 97) }
```

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

```
.background{ background-color: rgb(101,  
171, 97) }
```

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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