

Converting Colors

$Y_{xy}(32.8502, 0.3677, 0.4267)$

Have a look what the booklet for
Yxy(32.8502, 0.3677, 0.4267)
contains.

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Color

Yxy(32.7087, 0.3673, 0.4258)

Conversions

Conversions Part 1

Format	Color
Hex	9C9F60
RGB	156, 159, 96
RGB Percent	61%, 62%, 38%
CMY	0.3884, 0.3764, 0.6235
CMYK	0.02, 0.00, 0.40, 0.38
HSL	63°, 25%, 50%
HSV	63°, 40%, 62%
XYZ	28.2149, 32.7087, 15.8934
YIQ	150.9210, 18.4350, -20.2290

Conversions

Conversions Part 2

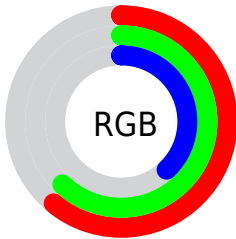
Format	Color
RYB	96, 159, 99
Decimal	10264416
CIELab	63.92, -10.96, 32.50
CIELCh	64, 34.294, 108.638
Yxy	32.7087, 0.3673, 0.4258
Android (android.graphics.Color)	4288454496 (0xFF9C9F60)
YUV	150.9210, -27.0761, 4.4543
Hunter-Lab	57.1915, -12.0239, 23.5575

Details

The Yxy color **32.7087, 0.3673, 0.4258** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.5260, 0.2447, 0.2123**, and the grayscale version is **31.0228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0486, 0.3573, 0.4074**, and **13.8221, 0.3808, 0.4581** is the 20% darker color. If you saturate the color by 10%, you get **32.3698, 0.3797, 0.4484**, and if you desaturate by 10%, it is **33.1103, 0.3539, 0.4016**.

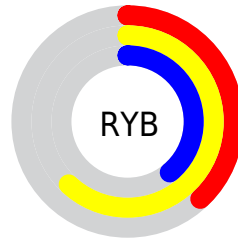
Distribution



Red (61%)

Green (62%)

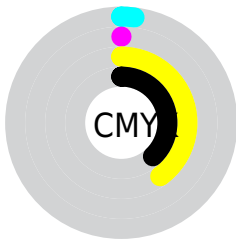
Blue (38%)



Red (38%)

Yellow (62%)

Blue (39%)

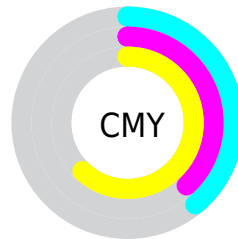


Cyan (2%)

Magenta (0%)

Yellow (40%)

Black (38%)



Cyan (39%)


Magenta (38%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7087, 0.3673, 0.4258 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 32.7087, 0.3673, 0.4258 by changing the saturation by 10% instead.


 32.7087, 0.3673,
0.4258


 32.7087, 0.3673,
0.4258


314.3351, 0.3398,
0.3740

 21.9034, 0.3739,
0.4396


 63.9205, 0.3574,
0.4063

 13.7859, 0.3819,
0.4576


 85.0957, 0.3537,
0.3991

 7.9719, 0.3915,
0.4819


 110.4964, 0.3505,
0.3932

 4.0770, 0.4042,
0.5181

 140.5069, 0.3477,
0.3882

 1.7167, 0.4214,
0.5786

175.5116, 0.3453,
0.3839

 0.4344, 0.2507,
0.7493

215.8950, 0.3432,

 0.0000, 0.0000,

0.3801

0.0000

262.0413, 0.3414,
0.3769

■ 32.7087, 0.3673,
0.4258

■ 32.7087, 0.3673,
0.4258

■ 32.3698, 0.3797,
0.4484

■ 33.1103, 0.3539,
0.4016

■ 32.0855, 0.3904,
0.4685

■ 33.5735, 0.3399,
0.3768

■ 31.8534, 0.3991,
0.4852


■ 34.1027, 0.3259,
0.3521


■ 31.6690, 0.4054,
0.4979


■ 34.7009, 0.3122,
0.3281


■ 31.5269, 0.4091,
0.5065

■ 35.3706, 0.2991,
0.3053


 31.4152, 0.4109,
0.5117

 36.1146, 0.2868,
0.2840

 31.4111, 0.4110,
0.5119

 36.9351, 0.2753,
0.2643

 37.8345, 0.2647,
0.2463

 38.8149, 0.2551,
0.2299

Harmonies

Analogous

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



32.7087, 0.4066, 0.4036



32.7087, 0.3673, 0.4258



32.7087, 0.3153, 0.4187

Triad

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



32.7087, 0.3673, 0.4258



32.7087, 0.2156, 0.2782



32.7087, 0.3577, 0.2846

Complementary

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



32.7087, 0.3673, 0.4258



13.5260, 0.2447, 0.2123

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.



32.7087, 0.3026, 0.2565



32.7087, 0.3673, 0.4258



32.7087, 0.2244, 0.2505

Square

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



32.7087, 0.3673, 0.4258



32.7087, 0.2296, 0.3251



32.7087, 0.2547, 0.2440



32.7087, 0.4025, 0.3231

Rectangle

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



32.7087, 0.3673, 0.4258



32.7087, 0.2807, 0.3955



32.7087, 0.2547, 0.2440



32.7087, 0.3395, 0.2738

Sweetspot

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



32.7102, 0.3673, 0.4258



60.8046, 0.3295, 0.3585



16.9721, 0.4076, 0.3327



13.6820, 0.3312, 0.3614



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.



32.7102, 0.3673, 0.4258



58.0001, 0.3788, 0.4469



30.0366, 0.3351, 0.4371



7.7040, 0.3254, 0.3512



24.8100, 0.4111, 0.5118



0.4481, 0.4146, 0.5090

Inverse Universe

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



13.5260, 0.2447, 0.2123



18.5413, 0.2257, 0.1803



15.5854, 0.2800, 0.2228



6.4498, 0.2995, 0.3059



2.0217, 0.1520, 0.0611



0.0401, 0.1618, 0.0665

Previews

White Background



This preview shows how the Yxy color 32.7087, 0.3673, 0.4258 looks on a white background.

Color Contrast Check

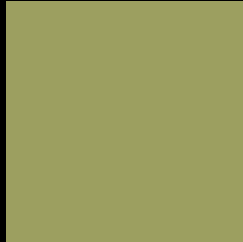
Large Text (above 18pt) WCAG AA × Fail

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 32.7087, 0.3673, 0.4258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

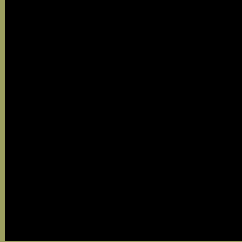
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7087, 0.3673, 0.4258

Background



This preview shows how black text looks on a background with the Yxy color 32.7087, 0.3673, 0.4258.



This preview shows how white text looks on a background with the Yxy color 32.7087, 0.3673, 0.4258.

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

32.7087, 0.3673, 0.4258

Protanopia

32.6859, 0.3854, 0.4185

Deuteranopia

32.6455, 0.4049, 0.3965



Tritanopia

32.6701, 0.3145, 0.3115

Trichromacy



Original Color

32.7087, 0.3673, 0.4258

Protanomaly

32.4957, 0.3785, 0.4203

Deuteranomaly

32.5684, 0.3912, 0.4066

Tritanomaly

32.5523, 0.3340, 0.3517

Monochromacy



Original Color

32.7087, 0.3673, 0.4258

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.5222, 0.3334, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7087, 0.3673, 0.4258 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(156, 159, 96)` looks like.

```
.text, #text, p{  
    color:rgb(156, 159, 96)  
}
```

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(156, 159, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 159, 96) }
```

Border

The CSS property to change the border of an element to Yxy 32.7087, 0.3673, 0.4258 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(156, 159, 96) }
```

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

```
.border{ border-color:rgb(156, 159, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 159, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 159, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 159, 96);  
box-shadow:4px 4px 4px 4px rgb(156, 159,  
96) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.7087, 0.3673, 0.4258$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 159, 96) }
```

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

```
.background{ background-color: rgb(156,  
159, 96) }
```

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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