

Converting Colors

$Y_{xy}(28.1233, 0.3048, 0.4336)$

Have a look what the booklet for
Yxy(28.1233, 0.3048, 0.4336)
contains.

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Color

$Y_{xy}(28.0657, 0.3052, 0.4332)$

Conversions

Conversions Part 1

Format	Color
Hex	639E66
RGB	99, 158, 102
RGB Percent	39%, 62%, 40%
CMY	0.6117, 0.3804, 0.6000
CMYK	0.37, 0.00, 0.35, 0.38
HSL	123°, 23%, 50%
HSV	123°, 37%, 62%
XYZ	19.7730, 28.0657, 16.9483
YIQ	133.9750, -17.1880, -29.9240

Conversions

Conversions Part 2

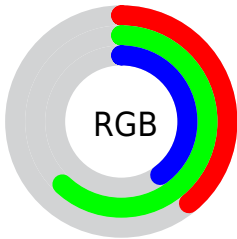
Format	Color
R_{YB}	99, 155, 158
Decimal	6528614
CIE _{Lab}	59.95, -31.10, 23.36
CIE _{LCh}	60, 38.893, 143.086
Yxy	28.0657, 0.3052, 0.4332
Android (android.graphics.Color)	4284718694 (0xFF639E66)
YUV	133.9750, -15.7637, -30.6731
Hunter-Lab	52.9771, -26.0872, 18.1161

Details

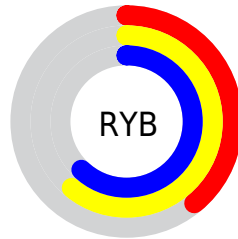
The Yxy color **28.0657, 0.3052, 0.4332** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.5639, 0.3206, 0.2431**, and the grayscale version is **23.8969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5638, 0.3082, 0.4103**, and **11.2028, 0.2992, 0.4762** is the 20% darker color. If you saturate the color by 10%, you get **26.9909, 0.3032, 0.4667**, and if you desaturate by 10%, it is **29.3708, 0.3073, 0.4014**.

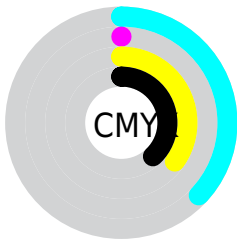
Distribution



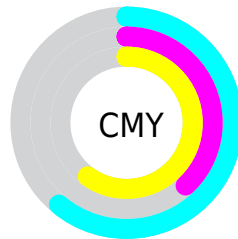
- Red (39%)
- Green (62%)
- Blue (40%)



- Red (39%)
- Yellow (61%)
- Blue (62%)



- Cyan (37%)
- Magenta (0%)
- Yellow (35%)
- Black (38%)





- Cyan (61%)
- Magenta (38%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0657, 0.3052, 0.4332 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 28.0657, 0.3052, 0.4332 by changing the saturation by 10% instead.


 28.0657, 0.3052,
0.4332


 28.0657, 0.3052,
0.4332

292.7807, 0.3109,
0.3738


 18.3752, 0.3028,
0.4509


 56.5893, 0.3079,
0.4096

 11.2197, 0.2988,
0.4757


 76.1912, 0.3087,
0.4014

 6.2148, 0.2918,
0.5125

 99.8657, 0.3094,
0.3947

 2.9761, 0.2782,
0.5732

 127.9972, 0.3098,
0.3891

 1.1193, 0.2044,
0.7956

160.9700, 0.3102,
0.3844

 0.0000, 0.0000,
0.0000

199.1686, 0.3105,

0.3803

242.9774, 0.3107,
0.3769

■ 28.0657, 0.3052,
0.4332

■ 28.0657, 0.3052,
0.4332

■ 26.9909, 0.3032,
0.4667

■ 29.3708, 0.3073,
0.4014

■ 26.1298, 0.3014,
0.5004

■ 30.9148, 0.3094,
0.3722

■ 25.4690, 0.3001,
0.5321


■ 32.7101, 0.3113,
0.3461


■ 24.9926, 0.2992,
0.5595


■ 34.7670, 0.3132,
0.3232


■ 24.6816, 0.2990,
0.5804


■ 37.0957, 0.3149,
0.3032


 24.5072, 0.2991,
0.5937

 39.7053, 0.3164,
0.2859

 24.4709, 0.2989,
0.5962

 42.6049, 0.3178,
0.2710

 45.8031, 0.3191,
0.2582

 49.3079, 0.3202,
0.2472

Harmonies

Analogous

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



28.0657, 0.3675, 0.4461



28.0657, 0.3052, 0.4332



28.0657, 0.2482, 0.3805

Triad

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



28.0657, 0.3052, 0.4332



28.0657, 0.2130, 0.2340



28.0657, 0.4256, 0.3280

Complementary

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



28.0657, 0.3052, 0.4332



18.5639, 0.3206, 0.2431

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.



28.0657, 0.3754, 0.2827



28.0657, 0.3052, 0.4332



28.0657, 0.2512, 0.2306

Square

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



28.0657, 0.3052, 0.4332



28.0657, 0.1990, 0.2615



28.0657, 0.3097, 0.2482



28.0657, 0.4408, 0.3771

Rectangle

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



28.0657, 0.3052, 0.4332



28.0657, 0.2205, 0.3355



28.0657, 0.3097, 0.2482



28.0657, 0.4121, 0.3121

Sweetspot

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



28.0669, 0.3052, 0.4332



58.0792, 0.3106, 0.3559



32.3282, 0.3642, 0.4203



13.0003, 0.3103, 0.3592



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.



28.0669, 0.3052, 0.4332



49.2742, 0.3035, 0.4618



28.7585, 0.2818, 0.3768



7.4062, 0.3110, 0.3509



19.6008, 0.2988, 0.5957



0.3519, 0.2931, 0.5750

Inverse Universe

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



18.5639, 0.3206, 0.2431



29.4024, 0.3227, 0.2247



17.6921, 0.3607, 0.2862



6.7488, 0.3145, 0.3080



7.5869, 0.3337, 0.1612



0.1372, 0.3281, 0.1581

Previews

White Background



This preview shows how the Yxy color 28.0657, 0.3052, 0.4332 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0657, 0.3052, 0.4332 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 × Fail

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

Yxy 28.0657, 0.3052, 0.4332

Background



This preview shows how black text looks on a background with the Yxy color 28.0657, 0.3052, 0.4332.



This preview shows how white text looks on a background with the Yxy color 28.0657, 0.3052, 0.4332.

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

28.0657, 0.3052, 0.4332

Protanopia

27.8590, 0.3753, 0.4053

Deuteranopia

27.7845, 0.3833, 0.3761



Tritanopia

28.1571, 0.2657, 0.3087

Trichromacy



Original Color

28.0657, 0.3052, 0.4332

Protanomaly

27.5276, 0.3469, 0.4163

Deuteranomaly

27.2000, 0.3518, 0.3958

Tritanomaly

28.1601, 0.2802, 0.3518

Monochromacy



Original Color

28.0657, 0.3052, 0.4332

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.1150, 0.3099, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0657, 0.3052, 0.4332 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(99, 158, 102)` looks like.

```
.text, #text, p{  
    color:rgb(99, 158, 102)  
}
```

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(99, 158, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 158, 102) }
```

Border

The CSS property to change the border of an element to Yxy 28.0657, 0.3052, 0.4332 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(99, 158, 102) }
```

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

```
.border{ border-color:rgb(99, 158, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 158, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 158, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 158, 102);  
box-shadow:4px 4px 4px 4px rgb(99, 158,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0657, 0.3052, 0.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 158, 102) }
```

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

```
.background{ background-color: rgb(99, 158,  
102) }
```

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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