

Converting Colors

$Y_{xy}(28.4583, 0.3056, 0.4224)$

Have a look what the booklet for
Yxy(28.4583, 0.3056, 0.4224)
contains.

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Color

Yxy(28.4583, 0.3056, 0.4224)

Conversions

Conversions Part 1

Format	Color
Hex	689E6B
RGB	104, 158, 107
RGB Percent	41%, 62%, 42%
CMY	0.5922, 0.3804, 0.5803
CMYK	0.34, 0.00, 0.32, 0.38
HSL	123°, 22%, 51%
HSV	123°, 34%, 62%
XYZ	20.5891, 28.4583, 18.3254
YIQ	136.0400, -15.8130, -27.3090

Conversions

Conversions Part 2

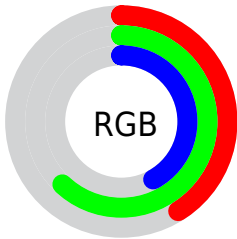
Format	Color
RYB	104, 155, 158
Decimal	6856299
CIELab	60.30, -28.59, 21.13
CIElCh	60, 35.554, 143.538
Yxy	28.4583, 0.3056, 0.4224
Android (android.graphics.Color)	4285046379 (0xFF689E6B)
YUV	136.0400, -14.3167, -28.0991
Hunter-Lab	53.3463, -24.4635, 16.9752

Details

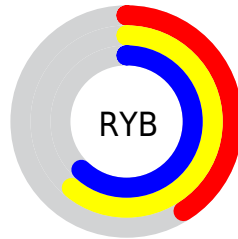
The Yxy color **28.4583, 0.3056, 0.4224** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.5317, 0.3203, 0.2506**, and the grayscale version is **24.6953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2598, 0.3079, 0.4011**, and **11.4081, 0.3008, 0.4597** is the 20% darker color. If you saturate the color by 10%, you get **27.3138, 0.3035, 0.4553**, and if you desaturate by 10%, it is **29.8365, 0.3078, 0.3915**.

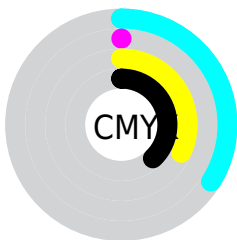
Distribution



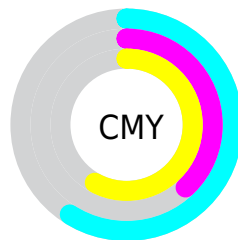
- Red (41%)
- Green (62%)
- Blue (42%)



- Red (41%)
- Yellow (61%)
- Blue (62%)



- Cyan (34%)
- Magenta (0%)
- Yellow (32%)
- Black (38%)




- Cyan (59%)
- Magenta (38%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4583, 0.3056, 0.4224 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 28.4583, 0.3056, 0.4224 by changing the saturation by 10% instead.


 28.4583, 0.3056,
0.4224


 28.4583, 0.3056,
0.4224


294.6504, 0.3108,
0.3695

 18.6714, 0.3035,
0.4381


 57.2153, 0.3080,
0.4014

 11.4331, 0.3002,
0.4600


 76.9542, 0.3087,
0.3941

 6.3589, 0.2943,
0.4925


 100.7793, 0.3093,
0.3881

 3.0645, 0.2827,
0.5449

 129.0749, 0.3097,
0.3831

 1.1655, 0.2487,
0.7513

162.2254, 0.3101,
0.3789

 0.0333, 0.0000,
1.0000

200.6152, 0.3104,

 0.0000, 0.0000,

0.3753

0.0000

244.6288, 0.3106,
0.3722

■ 28.4583, 0.3056,
0.4224

■ 28.4583, 0.3056,
0.4224

■ 27.3138, 0.3035,
0.4553

■ 29.8365, 0.3078,
0.3915

■ 26.3866, 0.3016,
0.4890

■ 31.4565, 0.3099,
0.3635

■ 25.6641, 0.3001,
0.5215


■ 33.3305, 0.3119,
0.3385

■ 25.1307, 0.2991,
0.5505

■ 35.4686, 0.3138,
0.3167

■ 24.7687, 0.2987,
0.5738


■ 37.8806, 0.3155,
0.2977

 24.5569, 0.2989,
0.5897

 40.5757, 0.3171,
0.2813

 24.4749, 0.2988,
0.5957

 43.5626, 0.3185,
0.2672

 46.8499, 0.3198,
0.2550

 50.4454, 0.3210,
0.2445

Harmonies

Analogous

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



28.4583, 0.3626, 0.4355



28.4583, 0.3056, 0.4224



28.4583, 0.2533, 0.3748

Triad

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



28.4583, 0.3056, 0.4224



28.4583, 0.2214, 0.2416



28.4583, 0.4158, 0.3295

Complementary

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



28.4583, 0.3056, 0.4224



19.5317, 0.3203, 0.2506

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.



28.4583, 0.3707, 0.2872



28.4583, 0.3056, 0.4224



28.4583, 0.2572, 0.2384

Square

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



28.4583, 0.3056, 0.4224



28.4583, 0.2081, 0.2672



28.4583, 0.3111, 0.2549



28.4583, 0.4295, 0.3749

Rectangle

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



28.4583, 0.3056, 0.4224



28.4583, 0.2278, 0.3344



28.4583, 0.3111, 0.2549



28.4583, 0.4037, 0.3147

Sweetspot

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



28.4595, 0.3056, 0.4224



58.4243, 0.3107, 0.3531



32.4531, 0.3600, 0.4128



13.0725, 0.3104, 0.3565



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.



28.4595, 0.3056, 0.4224



50.0586, 0.3040, 0.4473



29.1101, 0.2840, 0.3722



7.4068, 0.3109, 0.3508



19.6026, 0.2987, 0.5952



0.3521, 0.2923, 0.5723

Inverse Universe

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



19.5317, 0.3203, 0.2506



31.3400, 0.3222, 0.2338



18.7328, 0.3554, 0.2899



6.7481, 0.3146, 0.3082



7.5639, 0.3353, 0.1621



0.1370, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 28.4583, 0.3056, 0.4224 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 28.4583, 0.3056, 0.4224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

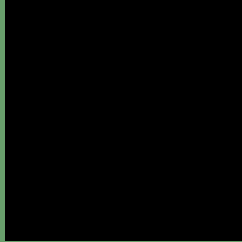
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4583, 0.3056, 0.4224

Background



This preview shows how black text looks on a background with the Yxy color 28.4583, 0.3056, 0.4224.



This preview shows how white text looks on a background with the Yxy color 28.4583, 0.3056, 0.4224.

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

28.4583, 0.3056, 0.4224

Protanopia

28.2583, 0.3697, 0.3990

Deuteranopia

28.1590, 0.3784, 0.3715



Tritanopia

28.4224, 0.2690, 0.3089

Trichromacy



Original Color

28.4583, 0.3056, 0.4224

Protanomaly

28.1103, 0.3441, 0.4086

Deuteranomaly

27.7945, 0.3487, 0.3885

Tritanomaly

28.4739, 0.2820, 0.3481

Monochromacy



Original Color

28.4583, 0.3056, 0.4224

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.7123, 0.3101, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4583, 0.3056, 0.4224 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(104, 158, 107)` looks like.

```
.text, #text, p{  
    color:rgb(104, 158, 107)  
}
```

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(104, 158, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 158, 107) }
```

Border

The CSS property to change the border of an element to Yxy 28.4583, 0.3056, 0.4224 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(104, 158, 107) }
```

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

```
.border{ border-color:rgb(104, 158, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 158, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 158, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 158, 107);  
box-shadow:4px 4px 4px 4px rgb(104, 158,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4583, 0.3056, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 158, 107) }
```

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

```
.background{ background-color: rgb(104,  
158, 107) }
```

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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