

Converting Colors

$Y_{xy}(28.7275, 0.3414, 0.3465)$

Have a look what the booklet for
Yxy(28.7275, 0.3414, 0.3465)
contains.

Yxy(28.6818, 0.3414, 0.3462)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6818, 0.3414, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	9F8F84
RGB	159, 143, 132
RGB Percent	62%, 56%, 52%
CMY	0.3765, 0.4392, 0.4823
CMYK	0.00, 0.10, 0.17, 0.38
HSL	24°, 12%, 57%
HSV	24°, 17%, 62%
XYZ	28.2841, 28.6818, 25.8816
YIQ	146.5300, 13.0670, -0.0290

Conversions

Conversions Part 2

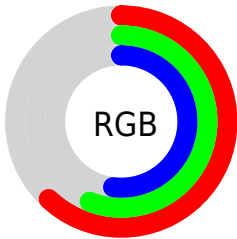
Format	Color
R_{YB}	159, 151, 132
Decimal	10456964
CIE _{Lab}	60.50, 4.07, 8.01
CIE _{LCh}	60, 8.982, 63.028
Yxy	28.6818, 0.3414, 0.3462
Android (android.graphics.Color)	4288647044 (0xFF9F8F84)
YUV	146.5300, -7.1633, 10.9362
Hunter-Lab	53.5554, 0.5490, 8.8359

Details

The Yxy color $28.6818, 0.3414, 0.3462$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $28.5885, 0.2870, 0.3112$, and the grayscale version is $29.0000, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.7314, 0.3355, 0.3431$, and $11.5790, 0.3504, 0.3516$ is the 20% darker color. If you saturate the color by 10%, you get $25.5696, 0.3619, 0.3570$, and if you desaturate by 10%, it is $32.1004, 0.3236, 0.3358$.

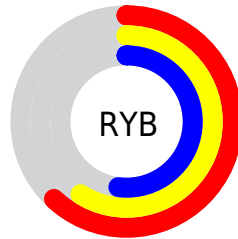
Distribution



Red (62%)

Green (56%)

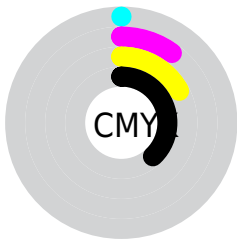
Blue (52%)



Red (62%)

Yellow (59%)

Blue (52%)

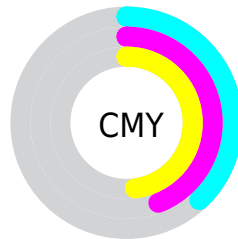


Cyan (0%)

Magenta (10%)

Yellow (17%)

Black (38%)



Cyan (38%)


Magenta (44%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6818, 0.3414, 0.3462 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 28.6818, 0.3414, 0.3462 by changing the saturation by 10% instead.


 28.6818, 0.3414,
0.3462


 28.6818, 0.3414,
0.3462


295.7106, 0.3258,
0.3370

 18.8402, 0.3457,
0.3487


 57.5711, 0.3354,
0.3427

 11.5549, 0.3516,
0.3520


 77.3877, 0.3333,
0.3415

 6.4414, 0.3601,
0.3567


 101.2981, 0.3315,
0.3404

 3.1153, 0.3732,
0.3636

129.6866, 0.3300,
0.3395

 1.1922, 0.3987,
0.3776

162.9378, 0.3287,
0.3388

 0.0553, 0.7332,
0.2668

201.4359, 0.3276,

 0.0000, 0.0000,

0.3381

0.0000

245.5654, 0.3267,
0.3375

■ 28.6818, 0.3414,
0.3462

■ 28.6818, 0.3414,
0.3462

■ 25.5696, 0.3619,
0.3570

■ 32.1004, 0.3236,
0.3358

■ 22.7512, 0.3855,
0.3679

■ 35.8301, 0.3083,
0.3261

■ 20.2186, 0.4120,
0.3784

■ 39.8800, 0.2951,
0.3171

■ 17.9620, 0.4412,
0.3877

■ 44.2581, 0.2838,
0.3088

■ 15.9711, 0.4721,
0.3947

■ 48.9717, 0.2740,
0.3012

■ 14.2344, 0.5033,
0.3982

■ 54.0280, 0.2656,
0.2942

■ 12.7398, 0.5326,
0.3971

■ 59.4342, 0.2582,
0.2879

■ 11.4718, 0.5581,
0.3911

■ 64.9229, 0.2539,
0.2866

■ 11.1255, 0.5656,
0.3891

■ 69.9591, 0.2555,
0.2978

Harmonies

Analogous

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



28.6818, 0.3403, 0.3345



28.6818, 0.3414, 0.3462



28.6818, 0.3347, 0.3536

Triad

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



28.6818, 0.3414, 0.3462



28.6818, 0.2941, 0.3361



28.6818, 0.3029, 0.3049

Complementary

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



28.6818, 0.3414, 0.3462



28.5885, 0.2870, 0.3112

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.



28.6818, 0.2909, 0.3048



28.6818, 0.3414, 0.3462



28.6818, 0.2859, 0.3224

Square

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



28.6818, 0.3414, 0.3462



28.6818, 0.3072, 0.3480



28.6818, 0.2848, 0.3110



28.6818, 0.3178, 0.3111

Rectangle

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



28.6818, 0.3414, 0.3462



28.6818, 0.3267, 0.3550



28.6818, 0.2848, 0.3110



28.6818, 0.2984, 0.3042

Sweetspot

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



28.6831, 0.3414, 0.3462



58.7048, 0.3206, 0.3340



26.0215, 0.3261, 0.3041



13.1382, 0.3216, 0.3346



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.



28.6831, 0.3414, 0.3462



49.4121, 0.3481, 0.3499



32.9098, 0.3382, 0.3661



7.0678, 0.3274, 0.3382



8.8672, 0.5641, 0.3903



0.2394, 0.4983, 0.4426

Inverse Universe

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



28.5885, 0.2870, 0.3112



49.2123, 0.2817, 0.3072



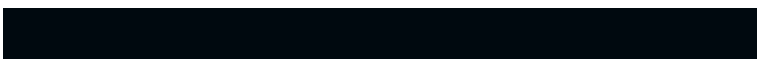
24.6584, 0.2860, 0.2890



7.0556, 0.2988, 0.3197



8.4128, 0.1869, 0.1926



0.2321, 0.2037, 0.2531

Previews

White Background



This preview shows how the Yxy color 28.6818, 0.3414, 0.3462 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 28.6818, 0.3414, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

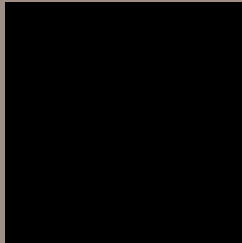
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6818, 0.3414, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 28.6818, 0.3414, 0.3462.



This preview shows how white text looks on a background with the Yxy color 28.6818, 0.3414, 0.3462.

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

28.6818, 0.3414, 0.3462

Protanopia

28.6197, 0.3322, 0.3482

Deuteranopia

28.7150, 0.3487, 0.3428



Tritanopia

28.5676, 0.3243, 0.3124

Trichromacy



Original Color

28.6818, 0.3414, 0.3462

Protanomaly

28.6085, 0.3357, 0.3464

Deuteranomaly

28.7985, 0.3462, 0.3445

Tritanomaly

28.5370, 0.3304, 0.3244

Monochromacy



Original Color

28.6818, 0.3414, 0.3462

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.0901, 0.3219, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6818, 0.3414, 0.3462 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(159, 143, 132)` looks like.

```
.text, #text, p{  
    color:rgb(159, 143, 132)  
}
```

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(159, 143, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 143, 132) }
```

Border

The CSS property to change the border of an element to Yxy 28.6818, 0.3414, 0.3462 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(159, 143, 132) }
```

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

```
.border{ border-color:rgb(159, 143, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 143, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 143, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 143, 132);  
box-shadow:4px 4px 4px 4px rgb(159, 143,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6818, 0.3414, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 143, 132) }
```

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

```
.background{ background-color: rgb(159,  
143, 132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor