

Converting Colors

$Y_{xy}(28.1233, 0.3360, 0.3934)$

Have a look what the booklet for
Yxy(28.1233, 0.3360, 0.3934)
contains.

Yxy(28.2788, 0.3365, 0.3950)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.2788, 0.3365, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	89966F
RGB	137, 150, 111
RGB Percent	54%, 59%, 44%
CMY	0.4628, 0.4117, 0.5648
CMYK	0.09, 0.00, 0.26, 0.41
HSL	80°, 16%, 51%
HSV	80°, 26%, 59%
XYZ	24.0907, 28.2788, 19.2224
YIQ	141.6670, 4.7710, -14.8850

Conversions

Conversions Part 2

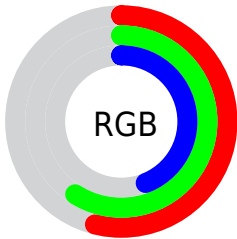
Format	Color
RYB	111, 150, 124
Decimal	9016943
CIELab	60.14, -11.76, 19.08
CIELCh	60, 22.413, 121.653
Yxy	28.2788, 0.3365, 0.3950
Android (android.graphics.Color)	4287207023 (0xFF89966F)
YUV	141.6670, -15.1188, -4.0930
Hunter-Lab	53.1778, -12.1969, 15.7926

Details

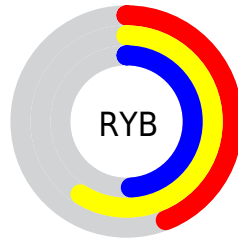
The Yxy color $28.2788, 0.3365, 0.3950$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $17.8523, 0.2841, 0.2601$, and the grayscale version is $26.9710, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9064, 0.3321, 0.3804$, and $11.3088, 0.3441, 0.4189$ is the 20% darker color. If you saturate the color by 10%, you get $27.5640, 0.3451, 0.4222$, and if you desaturate by 10%, it is $29.0712, 0.3274, 0.3685$.

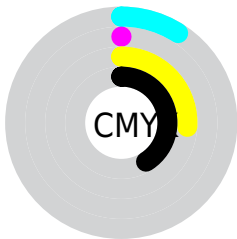
Distribution



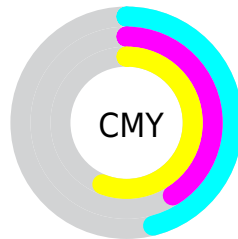
- Red (54%)
- Green (59%)
- Blue (44%)



- Red (44%)
- Yellow (59%)
- Blue (49%)



- Cyan (9%)
- Magenta (0%)
- Yellow (26%)
- Black (41%)





- Cyan (46%)
- Magenta (41%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2788, 0.3365, 0.3950 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 28.2788, 0.3365, 0.3950 by changing the saturation by 10% instead.

 28.2788, 0.3365,
0.3950

 28.2788, 0.3365,
0.3950


293.7967, 0.3242,
0.3584


 18.5359, 0.3396,
0.4055


 56.9293, 0.3320,
0.3808

 11.3354, 0.3436,
0.4198


 76.6056, 0.3303,
0.3757

 6.2929, 0.3487,
0.4405


 100.3619, 0.3288,
0.3716

 3.0240, 0.3551,
0.4729

 128.5826, 0.3276,
0.3681

 1.1443, 0.4053,
0.5947

161.6521, 0.3266,
0.3651

 0.0155, 0.0000,
1.0000

199.9546, 0.3257,

 0.0000, 0.0000,

0.3626

0.0000

243.8747, 0.3249,
0.3604

■ 28.2788, 0.3365,
0.3950

■ 28.2788, 0.3365,
0.3950

■ 27.5640, 0.3451,
0.4222

■ 29.0712, 0.3274,
0.3685

■ 26.9199, 0.3528,
0.4492

■ 29.9403, 0.3182,
0.3434

■ 26.3447, 0.3592,
0.4751

■ 30.8900, 0.3091,
0.3198

■ 25.8347, 0.3637,
0.4988

■ 31.9228, 0.3004,
0.2981

■ 25.3859, 0.3661,
0.5190

■ 33.0412, 0.2921,
0.2783

■ 24.9937, 0.3660,
0.5349

■ 34.2473, 0.2843,
0.2604

■ 24.6516, 0.3638,
0.5462

■ 35.5435, 0.2770,
0.2442

■ 24.5235, 0.3626,
0.5503

■ 36.9319, 0.2702,
0.2296

■ 38.4144, 0.2640,
0.2166

Harmonies

Analogous

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



28.2788, 0.3682, 0.3897



28.2788, 0.3365, 0.3950



28.2788, 0.2996, 0.3796

Triad

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



28.2788, 0.3365, 0.3950



28.2788, 0.2447, 0.2842



28.2788, 0.3586, 0.3095

Complementary

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



28.2788, 0.3365, 0.3950



17.8523, 0.2841, 0.2601

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.



28.2788, 0.3228, 0.2851



28.2788, 0.3365, 0.3950



28.2788, 0.2582, 0.2701

Square

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



28.2788, 0.3365, 0.3950



28.2788, 0.2480, 0.3122



28.2788, 0.2861, 0.2708



28.2788, 0.3820, 0.3393

Rectangle

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



28.2788, 0.3365, 0.3950



28.2788, 0.2771, 0.3597



28.2788, 0.2861, 0.2708



28.2788, 0.3475, 0.3005

Sweetspot

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



28.2800, 0.3365, 0.3950



52.4925, 0.3202, 0.3486



22.0451, 0.3608, 0.3511



11.5847, 0.3215, 0.3521



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.2800, 0.3365, 0.3950



49.1801, 0.3414, 0.4102



26.7779, 0.3159, 0.3994



6.6488, 0.3211, 0.3512



20.3553, 0.3630, 0.5499



0.2653, 0.3901, 0.5285

Inverse Universe

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



17.8523, 0.2841, 0.2601



27.7054, 0.2766, 0.2435



19.4521, 0.3076, 0.2647



5.7213, 0.3038, 0.3065



2.4052, 0.1767, 0.0747



0.0443, 0.2243, 0.1009

Previews

White Background



This preview shows how the Yxy color 28.2788, 0.3365, 0.3950 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 28.2788, 0.3365, 0.3950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

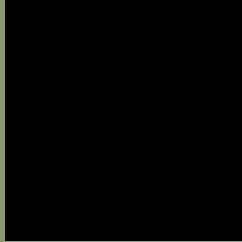
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2788, 0.3365, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 28.2788, 0.3365, 0.3950.



This preview shows how white text looks on a background with the Yxy color 28.2788, 0.3365, 0.3950.

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

28.2788, 0.3365, 0.3950

Protanopia

28.3235, 0.3604, 0.3866

Deuteranopia

28.0925, 0.3750, 0.3686



Tritanopia

28.1865, 0.3002, 0.3099

Trichromacy



Original Color

28.2788, 0.3365, 0.3950

Protanomaly

28.2891, 0.3506, 0.3895

Deuteranomaly

27.9829, 0.3604, 0.3783

Tritanomaly

28.1139, 0.3133, 0.3388

Monochromacy



Original Color

28.2788, 0.3365, 0.3950

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.4649, 0.3212, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2788, 0.3365, 0.3950 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(137, 150, 111)` looks like.

```
.text, #text, p{  
    color:rgb(137, 150, 111)  
}
```

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(137, 150, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 150, 111) }
```

Border

The CSS property to change the border of an element to Yxy 28.2788, 0.3365, 0.3950 is called "border". The border property can be set on classes, ids or directly on the HTML element.

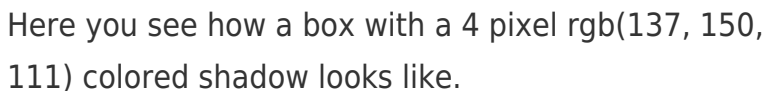
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 150, 111) }
```

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

```
.border{ border-color:rgb(137, 150, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 150, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 150, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 150, 111); box-shadow:4px 4px 4px 4px rgb(137, 150, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2788, 0.3365, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 150, 111) }
```

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

```
.background{ background-color: rgb(137,  
150, 111) }
```

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