

Converting Colors

$Y_{xy}(22.8782, 0.3307, 0.3626)$

Have a look what the booklet for
Yxy(22.8782, 0.3307, 0.3626)
contains.

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Color

Yxy(22.8153, 0.3308, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	838572
RGB	131, 133, 114
RGB Percent	51%, 52%, 45%
CMY	0.4863, 0.4784, 0.5529
CMYK	0.02, 0.00, 0.14, 0.48
HSL	66°, 8%, 48%
HSV	66°, 14%, 52%
XYZ	20.7857, 22.8153, 19.2337
YIQ	130.2360, 4.9070, -6.3330

Conversions

Conversions Part 2

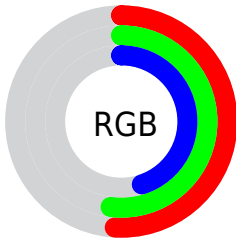
Format	Color
R_{YB}	114, 133, 116
Decimal	8619378
CIE _{Lab}	54.88, -4.28, 9.99
CIE _{LCh}	55, 10.871, 113.210
Yxy	22.8153, 0.3308, 0.3631
Android (android.graphics.Color)	4286809458 (0xFF838572)
YUV	130.2360, -8.0043, 0.6700
Hunter-Lab	47.7654, -5.9127, 9.5614

Details

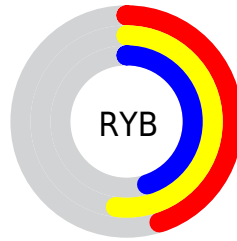
The Yxy color **22.8153, 0.3308, 0.3631** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.4474, 0.2932, 0.2930**, and the grayscale version is **22.4396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0613, 0.3268, 0.3552**, and **8.5278, 0.3384, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **22.4238, 0.3437, 0.3879**, and if you desaturate by 10%, it is **23.2544, 0.3181, 0.3390**.

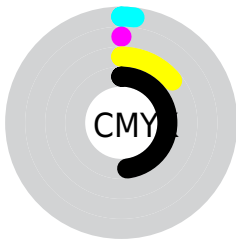
Distribution



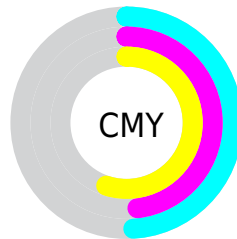
- Red (51%)
- Green (52%)
- Blue (45%)



- Red (45%)
- Yellow (52%)
- Blue (45%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (48%)



- Cyan (49%)
- Magenta (48%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8153, 0.3308, 0.3631 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 22.8153, 0.3308, 0.3631 by changing the saturation by 10% instead.

■ 22.8153, 0.3308,
0.3631

■ 22.8153, 0.3308,
0.3631

266.7749, 0.3208,
0.3438

■ 14.4572, 0.3337,
0.3688

■ 48.0899, 0.3269,
0.3555

■ 8.4393, 0.3376,
0.3769

■ 65.7751, 0.3255,
0.3528

■ 4.3773, 0.3434,
0.3889

■ 87.3382, 0.3244,
0.3506

■ 1.8868, 0.3524,
0.4089

■ 113.1635, 0.3234,
0.3488

■ 0.5404, 0.4308,
0.5692

143.6354, 0.3226,
0.3473

■ 0.0000, 0.0000,
0.0000

179.1384, 0.3219,

0.3460

220.0567, 0.3213,
0.3448

■ 22.8153, 0.3308,
0.3631

■ 22.8153, 0.3308,
0.3631

■ 22.4238, 0.3437,
0.3879

■ 23.2544, 0.3181,
0.3390

■ 22.0749, 0.3562,
0.4127

■ 23.7398, 0.3057,
0.3160

■ 21.7677, 0.3681,
0.4367

■ 24.2743, 0.2940,
0.2944

■ 21.4999, 0.3787,
0.4590

■ 24.8594, 0.2829,
0.2744

■ 21.2692, 0.3876,
0.4787

■ 25.4967, 0.2727,
0.2560

■ 21.0727, 0.3943,
0.4950

■ 26.1875, 0.2633,
0.2392

■ 20.9075, 0.3987,
0.5073

■ 26.9335, 0.2546,
0.2240

■ 20.7696, 0.4007,
0.5155

■ 27.7358, 0.2468,
0.2102

■ 20.6958, 0.4014,
0.5195

■ 28.5957, 0.2396,
0.1978

Harmonies

Analogous

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



22.8153, 0.3453, 0.3587



22.8153, 0.3308, 0.3631



22.8153, 0.3118, 0.3577

Triad

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



22.8153, 0.3308, 0.3631



22.8153, 0.2759, 0.3096



22.8153, 0.3319, 0.3146

Complementary

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



22.8153, 0.3308, 0.3631



17.4474, 0.2932, 0.2930

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.



22.8153, 0.3128, 0.3024



22.8153, 0.3308, 0.3631



22.8153, 0.2808, 0.2992

Square

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



22.8153, 0.3308, 0.3631



22.8153, 0.2804, 0.3260



22.8153, 0.2941, 0.2968



22.8153, 0.3460, 0.3306

Rectangle

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



22.8153, 0.3308, 0.3631



22.8153, 0.2991, 0.3492



22.8153, 0.2941, 0.2968



22.8153, 0.3258, 0.3100

Sweetspot

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



22.8163, 0.3308, 0.3631



41.6575, 0.3178, 0.3386



18.6742, 0.3374, 0.3326



9.3727, 0.3187, 0.3401



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



22.8163, 0.3308, 0.3631



40.6305, 0.3348, 0.3708



22.1004, 0.3197, 0.3643



5.3988, 0.3242, 0.3506



19.7145, 0.4015, 0.5194



0.0701, 0.4108, 0.5120

Inverse Universe

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



17.4474, 0.2932, 0.2930



29.1614, 0.2885, 0.2844



18.1237, 0.3047, 0.2942



4.5663, 0.3007, 0.3067



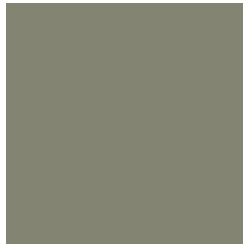
1.7042, 0.1550, 0.0628



0.0073, 0.1762, 0.0744

Previews

White Background



This preview shows how the Yxy color 22.8153, 0.3308, 0.3631 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 22.8153, 0.3308, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

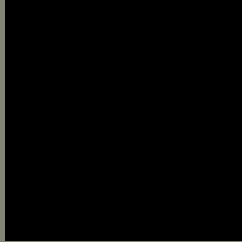
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

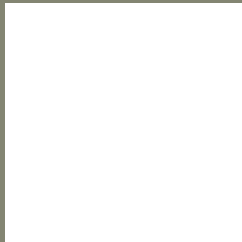
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8153, 0.3308, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 22.8153, 0.3308, 0.3631.



This preview shows how white text looks on a background with the Yxy color 22.8153, 0.3308, 0.3631.

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

22.8153, 0.3308, 0.3631

Protanopia

22.8281, 0.3409, 0.3606

Deuteranopia

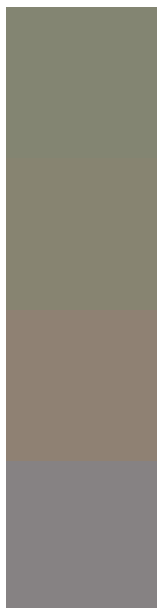
22.6435, 0.3551, 0.3476



Tritanopia

22.7449, 0.3079, 0.3102

Trichromacy



Original Color

22.8153, 0.3308, 0.3631

Protanomaly

22.8457, 0.3370, 0.3627

Deuteranomaly

22.7780, 0.3453, 0.3532

Tritanomaly

22.6723, 0.3163, 0.3273

Monochromacy



Original Color

22.8153, 0.3308, 0.3631

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.4337, 0.3191, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8153, 0.3308, 0.3631 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(131, 133, 114)` looks like.

```
.text, #text, p{  
    color:rgb(131, 133, 114)  
}
```

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(131, 133, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 133, 114) }
```

Border

The CSS property to change the border of an element to Yxy 22.8153, 0.3308, 0.3631 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(131, 133, 114) }
```

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

```
.border{ border-color:rgb(131, 133, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 133, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 133, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 133, 114);  
box-shadow:4px 4px 4px 4px rgb(131, 133,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8153, 0.3308, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 133, 114) }
```

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

```
.background{ background-color: rgb(131,  
133, 114) }
```

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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