

Converting Colors

$Y_{xy}(23.2970, 0.3270, 0.3673)$

Have a look what the booklet for
Yxy(23.2970, 0.3270, 0.3673)
contains.

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Color

Yxy(23.1320, 0.3269, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	808772
RGB	128, 135, 114
RGB Percent	50%, 53%, 45%
CMY	0.4980, 0.4706, 0.5530
CMYK	0.05, 0.00, 0.16, 0.47
HSL	80°, 8%, 49%
HSV	80°, 16%, 53%
XYZ	20.6045, 23.1320, 19.2935
YIQ	130.5130, 2.5690, -8.0150

Conversions

Conversions Part 2

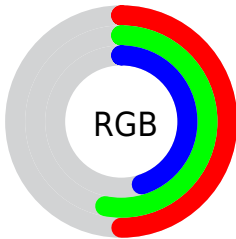
Format	Color
R_{YB}	114, 135, 121
Decimal	8423282
CIE _{Lab}	55.21, -6.57, 10.44
CIE _{LCh}	55, 12.333, 122.186
Yxy	23.1320, 0.3269, 0.3670
Android (android.graphics.Color)	4286613362 (0xFF808772)
YUV	130.5130, -8.1409, -2.2039
Hunter-Lab	48.0957, -7.6971, 9.8830

Details

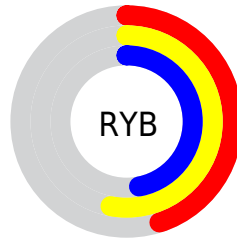
The Yxy color **23.1320, 0.3269, 0.3670** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.8428, 0.2970, 0.2901**, and the grayscale version is **22.5442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5434, 0.3239, 0.3580**, and **8.5526, 0.3326, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **22.5078, 0.3359, 0.3931**, and if you desaturate by 10%, it is **23.8190, 0.3178, 0.3421**.

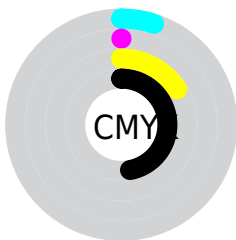
Distribution



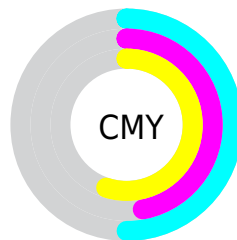
- Red (50%)
- Green (53%)
- Blue (45%)



- Red (45%)
- Yellow (53%)
- Blue (47%)



- Cyan (5%)
- Magenta (0%)
- Yellow (16%)
- Black (47%)



- Cyan (50%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1320, 0.3269, 0.3670 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 23.1320, 0.3269, 0.3670 by changing the saturation by 10% instead.

■ 23.1320, 0.3269,
0.3670

■ 23.1320, 0.3269,
0.3670

■ 268.4022, 0.3191,
0.3455

■ 14.6910, 0.3291,
0.3734

■ 48.6100, 0.3239,
0.3585

■ 8.6028, 0.3320,
0.3825

■ 66.4158, 0.3228,
0.3555

■ 4.4830, 0.3362,
0.3961

■ 88.1119, 0.3220,
0.3531

■ 1.9473, 0.3425,
0.4188

■ 114.0828, 0.3212,
0.3510

■ 0.5766, 0.4020,
0.5980

■ 144.7130, 0.3206,
0.3493

■ 0.0000, 0.0000,
0.0000

180.3866, 0.3200,

0.3479

221.4883, 0.3196,
0.3466

■ 23.1320, 0.3269,
0.3670

■ 23.1320, 0.3269,
0.3670

■ 22.5078, 0.3359,
0.3931

■ 23.8190, 0.3178,
0.3421

■ 21.9411, 0.3445,
0.4200

■ 24.5678, 0.3088,
0.3189

■ 21.4307, 0.3523,
0.4468

■ 25.3813, 0.3001,
0.2975

■ 20.9740, 0.3587,
0.4726

■ 26.2615, 0.2918,
0.2779

■ 20.5683, 0.3635,
0.4963

■ 27.2100, 0.2841,
0.2602

■ 20.2106, 0.3661,
0.5167

■ 28.2286, 0.2769,
0.2441

■ 19.8974, 0.3663,
0.5330

■ 29.3189, 0.2702,
0.2297

■ 19.6235, 0.3644,
0.5449

■ 30.4824, 0.2640,
0.2167

■ 19.5092, 0.3633,
0.5497

■ 31.7207, 0.2584,
0.2051

Harmonies

Analogous

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



23.1320, 0.3454, 0.3651



23.1320, 0.3269, 0.3670



23.1320, 0.3050, 0.3577

Triad

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



23.1320, 0.3269, 0.3670



23.1320, 0.2718, 0.3027



23.1320, 0.3400, 0.3179

Complementary

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



23.1320, 0.3269, 0.3670



17.8428, 0.2970, 0.2901

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.



23.1320, 0.3194, 0.3026



23.1320, 0.3269, 0.3670



23.1320, 0.2804, 0.2936

Square

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



23.1320, 0.3269, 0.3670



23.1320, 0.2737, 0.3195



23.1320, 0.2976, 0.2938



23.1320, 0.3533, 0.3362

Rectangle

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



23.1320, 0.3269, 0.3670



23.1320, 0.2915, 0.3465



23.1320, 0.2976, 0.2938



23.1320, 0.3337, 0.3122

Sweetspot

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



23.1330, 0.3269, 0.3670



42.7141, 0.3173, 0.3411



19.9526, 0.3389, 0.3411



9.8739, 0.3179, 0.3425



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.1330, 0.3269, 0.3670



40.9823, 0.3304, 0.3770



22.3826, 0.3152, 0.3684



5.3476, 0.3210, 0.3508



17.9974, 0.3635, 0.5496



0.0663, 0.3902, 0.5284

Inverse Universe

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



17.8428, 0.2970, 0.2901



29.4669, 0.2925, 0.2795



18.6173, 0.3096, 0.2915



4.6142, 0.3039, 0.3069



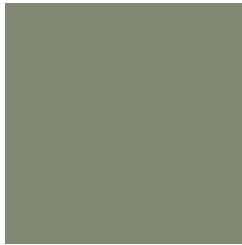
2.1310, 0.1771, 0.0749



0.0111, 0.2240, 0.1008

Previews

White Background



This preview shows how the Yxy color 23.1320, 0.3269, 0.3670 looks on a white background.

Color Contrast Check

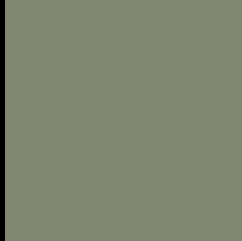
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1320, 0.3269, 0.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

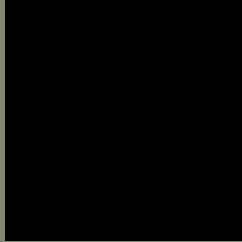
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

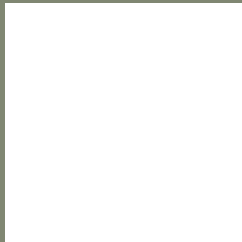
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1320, 0.3269, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 23.1320, 0.3269, 0.3670.



This preview shows how white text looks on a background with the Yxy color 23.1320, 0.3269, 0.3670.

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

23.1320, 0.3269, 0.3670

Protanopia

23.1613, 0.3429, 0.3640

Deuteranopia

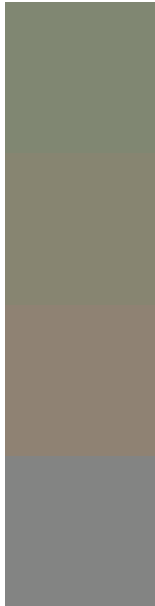
23.0190, 0.3548, 0.3475



Tritanopia

23.0612, 0.3034, 0.3118

Trichromacy



Original Color

23.1320, 0.3269, 0.3670

Protanomaly

23.1182, 0.3367, 0.3644

Deuteranomaly

23.0427, 0.3450, 0.3549

Tritanomaly

22.9665, 0.3126, 0.3308

Monochromacy



Original Color

23.1320, 0.3269, 0.3670

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.7290, 0.3179, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1320, 0.3269, 0.3670 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(128, 135, 114)` looks like.

```
.text, #text, p{  
    color:rgb(128, 135, 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(128, 135, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 135, 114) }
```

Border

The CSS property to change the border of an element to Yxy 23.1320, 0.3269, 0.3670 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(128, 135, 114) }
```

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

```
.border{ border-color:rgb(128, 135, 114) }
```

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

Here you see how a box with a 4 pixel rgb(128, 135, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 135, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 135, 114);  
box-shadow:4px 4px 4px 4px rgb(128, 135,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1320, 0.3269, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 135, 114) }
```

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

```
.background{ background-color: rgb(128,  
135, 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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