

Converting Colors

$Y_{xy}(30.0302, 0.3398, 0.3642)$

Have a look what the booklet for
Yxy(30.0302, 0.3398, 0.3642)
contains.

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Color

Yxy(29.8972, 0.3396, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	9A957F
RGB	154, 149, 127
RGB Percent	60%, 58%, 50%
CMY	0.3960, 0.4157, 0.5020
CMYK	0.00, 0.03, 0.18, 0.40
HSL	49°, 12%, 55%
HSV	49°, 18%, 60%
XYZ	27.9084, 29.8972, 24.3747
YIQ	147.9870, 10.0420, -5.7820

Conversions

Conversions Part 2

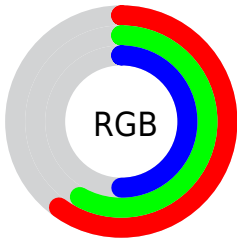
Format	Color
R_YB	133, 154, 127
Decimal	10130815
CIE Lab	61.57, -2.00, 12.30
CIE LCh	62, 12.457, 99.258
Yxy	29.8972, 0.3396, 0.3638
Android (android.graphics.Color)	4288320895 (0xFF9A957F)
YUV	147.9870, -10.3466, 5.2734
Hunter-Lab	54.6783, -4.5787, 11.8443

Details

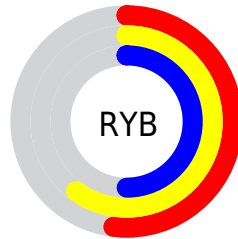
The Yxy color $29.8972, 0.3396, 0.3638$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $23.3551, 0.2852, 0.2916$, and the grayscale version is $29.6514, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.5625, 0.3343, 0.3563$, and $12.1690, 0.3492, 0.3748$ is the 20% darker color. If you saturate the color by 10%, you get $28.6305, 0.3561, 0.3843$, and if you desaturate by 10%, it is $31.2503, 0.3239, 0.3437$.

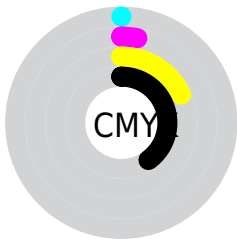
Distribution



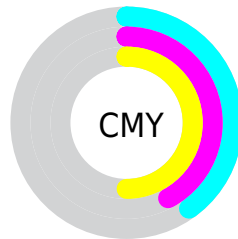
- Red (60%)
- Green (58%)
- Blue (50%)



- Red (52%)
- Yellow (60%)
- Blue (50%)



- Cyan (0%)
- Magenta (3%)
- Yellow (18%)
- Black (40%)




- Cyan (40%)
- Magenta (42%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8972, 0.3396, 0.3638 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 29.8972, 0.3396, 0.3638 by changing the saturation by 10% instead.


 29.8972, 0.3396,
0.3638


 29.8972, 0.3396,
0.3638


301.4250, 0.3252,
0.3450


 19.7606, 0.3435,
0.3690


 59.4996, 0.3341,
0.3566

 12.2211, 0.3487,
0.3760


 79.7341, 0.3322,
0.3540

 6.8945, 0.3561,
0.3858


 104.1034, 0.3305,
0.3519

 3.3962, 0.3670,
0.4009

132.9918, 0.3291,
0.3501

 1.3419, 0.3924,
0.4345

166.7838, 0.3279,
0.3486

 0.1733, 0.4005,
0.5995

205.8637, 0.3269,

 0.0000, 0.0000,

0.3472

0.0000

250.6160, 0.3260,
0.3461

■ 29.8972, 0.3396,
0.3638

■ 29.8972, 0.3396,
0.3638

■ 28.6305, 0.3561,
0.3843

■ 31.2503, 0.3239,
0.3437

■ 27.4434, 0.3732,
0.4046

■ 32.6886, 0.3092,
0.3244

■ 26.3339, 0.3903,
0.4239

■ 34.2160, 0.2957,
0.3061

■ 25.2987, 0.4067,
0.4413

■ 35.8350, 0.2834,
0.2891

■ 24.3339, 0.4219,
0.4559

■ 37.5480, 0.2722,
0.2734

■ 23.4355, 0.4351,
0.4667

■ 39.3573, 0.2621,
0.2589

■ 22.5985, 0.4458,
0.4732

■ 41.2649, 0.2531,
0.2457

■ 21.8145, 0.4540,
0.4757

■ 43.2731, 0.2449,
0.2336

■ 21.6275, 0.4560,
0.4762

■ 44.6809, 0.2429,
0.2326

Harmonies

Analogous

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



29.8972, 0.3509, 0.3550



29.8972, 0.3396, 0.3638



29.8972, 0.3212, 0.3630

Triad

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



29.8972, 0.3396, 0.3638



29.8972, 0.2752, 0.3161



29.8972, 0.3238, 0.3074

Complementary

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



29.8972, 0.3396, 0.3638



23.3551, 0.2852, 0.2916

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.



29.8972, 0.3033, 0.2975



29.8972, 0.3396, 0.3638



29.8972, 0.2757, 0.3019

Square

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



29.8972, 0.3396, 0.3638



29.8972, 0.2843, 0.3347



29.8972, 0.2858, 0.2954



29.8972, 0.3417, 0.3226

Rectangle

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



29.8972, 0.3396, 0.3638



29.8972, 0.3076, 0.3568



29.8972, 0.2858, 0.2954



29.8972, 0.3169, 0.3033

Sweetspot

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



29.8985, 0.3396, 0.3638



57.3697, 0.3202, 0.3389



23.7262, 0.3390, 0.3203



12.9473, 0.3212, 0.3401



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.8985, 0.3396, 0.3638



53.3811, 0.3459, 0.3717



30.7573, 0.3298, 0.3725



7.0272, 0.3264, 0.3470



17.6609, 0.4556, 0.4764



0.3089, 0.4371, 0.4911

Inverse Universe

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



23.3551, 0.2852, 0.2916



39.2705, 0.2786, 0.2823



22.6697, 0.2935, 0.2840



6.2033, 0.2988, 0.3104



2.6450, 0.1557, 0.0804



0.0800, 0.1730, 0.1429

Previews

White Background



This preview shows how the Yxy color 29.8972, 0.3396, 0.3638 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 29.8972, 0.3396, 0.3638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

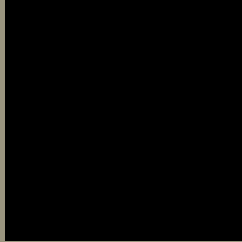
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

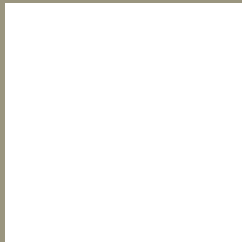
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8972, 0.3396, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 29.8972, 0.3396, 0.3638.



This preview shows how white text looks on a background with the Yxy color 29.8972, 0.3396, 0.3638.

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

29.8972, 0.3396, 0.3638

Protanopia

29.7800, 0.3420, 0.3620

Deuteranopia

29.7495, 0.3581, 0.3516



Tritanopia

29.9202, 0.3156, 0.3124

Trichromacy



Original Color

29.8972, 0.3396, 0.3638

Protanomaly

29.6807, 0.3409, 0.3622

Deuteranomaly

29.7018, 0.3507, 0.3551

Tritanomaly

29.7702, 0.3253, 0.3306

Monochromacy



Original Color

29.8972, 0.3396, 0.3638

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.5573, 0.3225, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8972, 0.3396, 0.3638 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(154, 149, 127)` looks like.

```
.text, #text, p{  
    color:rgb(154, 149, 127)  
}
```

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(154, 149, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 149, 127) }
```

Border

The CSS property to change the border of an element to Yxy 29.8972, 0.3396, 0.3638 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(154, 149, 127) }
```

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

```
.border{ border-color:rgb(154, 149, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 149, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 149, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 149, 127);  
box-shadow:4px 4px 4px 4px rgb(154, 149,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8972, 0.3396, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 149, 127) }
```

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

```
.background{ background-color: rgb(154,  
149, 127) }
```

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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