

Converting Colors

$Y_{xy}(24.1997, 0.3303, 0.3053)$

Have a look what the booklet for
Yxy(24.1997, 0.3303, 0.3053)
contains.

Yxy(24.1997, 0.3303, 0.3053)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.1997, 0.3303, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	9C7F8E
RGB	156, 127, 142
RGB Percent	61%, 50%, 56%
CMY	0.3883, 0.5019, 0.4431
CMYK	0.00, 0.19, 0.09, 0.39
HSL	329°, 13%, 55%
HSV	329°, 19%, 61%
XYZ	26.1813, 24.1997, 28.8843
YIQ	137.3810, 12.4690, 10.8130

Conversions

Conversions Part 2

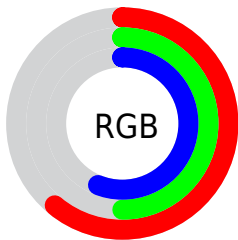
Format	Color
R _Y B	156, 127, 142
Decimal	10256270
CIE Lab	56.29, 13.75, -3.88
CIE LCh	56, 14.281, 344.256
Yxy	24.1997, 0.3303, 0.3053
Android (android.graphics.Color)	4288446350 (0xFF9C7F8E)
YUV	137.3810, 2.2772, 16.3289
Hunter-Lab	49.1932, 8.9122, -0.3775

Details

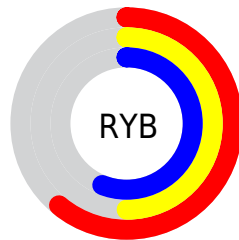
The Yxy color $24.1997, 0.3303, 0.3053$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $30.2099, 0.2982, 0.3540$, and the grayscale version is $25.1561, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.4769, 0.3265, 0.3101$, and $9.1645, 0.3357, 0.2968$ is the 20% darker color. If you saturate the color by 10%, you get $20.2598, 0.3425, 0.2918$, and if you desaturate by 10%, it is $28.7809, 0.3201, 0.3183$.

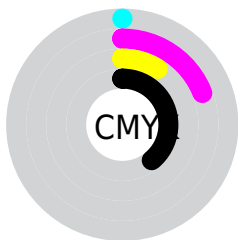
Distribution



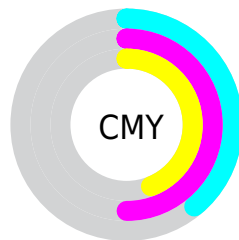
- Red (61%)
- Green (50%)
- Blue (56%)



- Red (61%)
- Yellow (50%)
- Blue (56%)



- Cyan (0%)
- Magenta (19%)
- Yellow (9%)
- Black (39%)





- Cyan (39%)
- Magenta (50%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1997, 0.3303, 0.3053 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 24.1997, 0.3303, 0.3053 by changing the saturation by 10% instead.


 24.1997, 0.3303,
0.3053


 24.1997, 0.3303,
0.3053


273.8285, 0.3207,
0.3182


 15.4818, 0.3330,
0.3017


 50.3559, 0.3266,
0.3103

 9.1582, 0.3368,
0.2967


 68.5630, 0.3252,
0.3121

 4.8445, 0.3423,
0.2895

 90.7019, 0.3241,
0.3135

 2.1563, 0.3509,
0.2783

117.1572, 0.3232,
0.3148

 0.6960, 0.3684,
0.2547

148.3130, 0.3224,
0.3158

 0.0000, 0.0000,
0.0000

184.5540, 0.3218,

0.3168

226.2643, 0.3212,
0.3175

■ 24.1997, 0.3303,
0.3053

■ 24.1997, 0.3303,
0.3053

■ 20.2598, 0.3425,
0.2918

■ 28.7809, 0.3201,
0.3183

■ 16.9290, 0.3568,
0.2784

■ 34.0273, 0.3116,
0.3307

■ 14.1772, 0.3736,
0.2655

■ 39.9653, 0.3045,
0.3423

■ 11.9707, 0.3927,
0.2541

■ 46.6192, 0.2987,
0.3530

■ 10.2717, 0.4139,
0.2454

■ 54.0119, 0.2938,
0.3628

■ 9.0380, 0.4365,
0.2404

■ 62.1653, 0.2898,
0.3719

■ 8.2203, 0.4597,
0.2401

■ 71.1005, 0.2865,
0.3802

■ 7.7212, 0.4826,
0.2444

■ 80.8377, 0.2837,
0.3877

■ 7.6571, 0.4859,
0.2450

■ 83.2279, 0.2802,
0.3819

Harmonies

Analogous

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



24.1997, 0.3051, 0.2920



24.1997, 0.3303, 0.3053



24.1997, 0.3513, 0.3245

Triad

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



24.1997, 0.3303, 0.3053



24.1997, 0.3423, 0.3726



24.1997, 0.2661, 0.3095

Complementary

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



24.1997, 0.3303, 0.3053



30.2099, 0.2982, 0.3540

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.



24.1997, 0.2753, 0.3319



24.1997, 0.3303, 0.3053



24.1997, 0.3188, 0.3698

Square

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



24.1997, 0.3303, 0.3053



24.1997, 0.3583, 0.3632



24.1997, 0.2943, 0.3545



24.1997, 0.2688, 0.2936

Rectangle

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



24.1997, 0.3303, 0.3053



24.1997, 0.3597, 0.3385



24.1997, 0.2943, 0.3545



24.1997, 0.2679, 0.3165

Sweetspot

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



24.2008, 0.3303, 0.3053



54.5129, 0.3179, 0.3215



23.2024, 0.2975, 0.2818



11.8764, 0.3184, 0.3207



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.



24.2008, 0.3303, 0.3053



41.0666, 0.3347, 0.3001



23.8054, 0.3466, 0.3275



6.7006, 0.3207, 0.3175



6.3148, 0.4844, 0.2442



0.1214, 0.4057, 0.2009

Inverse Universe

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



24.2008, 0.3303, 0.3053



41.0666, 0.3347, 0.3001



30.6545, 0.2863, 0.3305



6.7006, 0.3207, 0.3175



6.3148, 0.4844, 0.2442



0.1214, 0.4057, 0.2009

Previews

White Background



This preview shows how the Yxy color 24.1997, 0.3303, 0.3053 looks on a white background.

Color Contrast Check

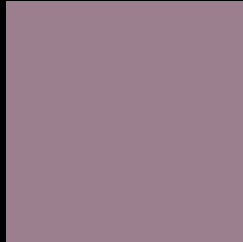
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1997, 0.3303, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

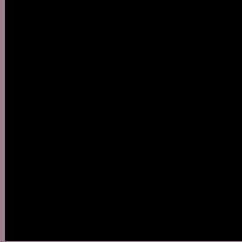
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1997, 0.3303, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 24.1997, 0.3303, 0.3053.



This preview shows how white text looks on a background with the Yxy color 24.1997, 0.3303, 0.3053.

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

24.1997, 0.3303, 0.3053

Protanopia

24.1938, 0.3005, 0.3087

Deuteranopia

24.1754, 0.3181, 0.3126



Tritanopia

24.2419, 0.3335, 0.3131

Trichromacy



Original Color

24.1997, 0.3303, 0.3053

Protanomaly

24.0277, 0.3104, 0.3059

Deuteranomaly

24.2779, 0.3228, 0.3112

Tritanomaly

24.2710, 0.3324, 0.3115

Monochromacy



Original Color

24.1997, 0.3303, 0.3053

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.5684, 0.3189, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1997, 0.3303, 0.3053 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(156, 127, 142)` looks like.

```
.text, #text, p{  
    color:rgb(156, 127, 142)  
}
```

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(156, 127, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 127, 142) }
```

Border

The CSS property to change the border of an element to Yxy 24.1997, 0.3303, 0.3053 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(156, 127, 142) }
```

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

```
.border{ border-color:rgb(156, 127, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 127, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 127, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 127, 142); box-shadow:4px 4px 4px 4px rgb(156, 127, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1997, 0.3303, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 127, 142) }
```

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

```
.background{ background-color: rgb(156,  
127, 142) }
```

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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