

Converting Colors

$Yxy(31.4753, 0.3323, 0.4087)$

Have a look what the booklet for
Yxy(31.4753, 0.3323, 0.4087)
contains.

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Color

Yxy(31.5457, 0.3320, 0.4083)

Conversions

Conversions Part 1

Format	Color
Hex	88A070
RGB	136, 160, 112
RGB Percent	53%, 63%, 44%
CMY	0.4666, 0.3725, 0.5608
CMYK	0.15, 0.00, 0.30, 0.37
HSL	90°, 20%, 53%
HSV	90°, 30%, 63%
XYZ	25.6507, 31.5457, 20.0647
YIQ	147.3520, 1.1040, -20.0160

Conversions

Conversions Part 2

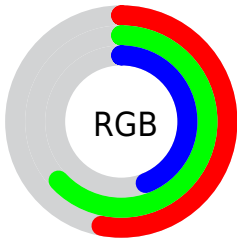
Format	Color
RYB	112, 160, 136
Decimal	8953968
CIELab	62.97, -17.25, 22.34
CIELCh	63, 28.224, 127.686
Yxy	31.5457, 0.3320, 0.4083
Android (android.graphics.Color)	4287144048 (0xFF88A070)
YUV	147.3520, -17.4285, -9.9557
Hunter-Lab	56.1656, -16.7692, 18.1350

Details

The Yxy color **31.5457, 0.3320, 0.4083** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.3580, 0.2877, 0.2499**, and the grayscale version is **29.4059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2284, 0.3289, 0.3918**, and **13.0266, 0.3356, 0.4357** is the 20% darker color. If you saturate the color by 10%, you get **30.5771, 0.3375, 0.4375**, and if you desaturate by 10%, it is **32.6303, 0.3258, 0.3801**.

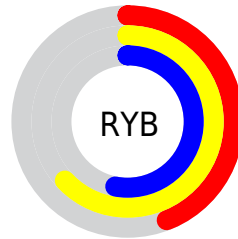
Distribution



Red (53%)

Green (63%)

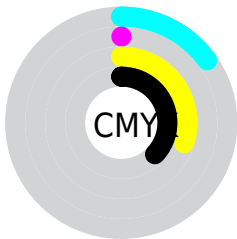
Blue (44%)



Red (44%)

Yellow (63%)

Blue (53%)

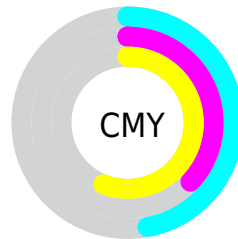


Cyan (15%)

Magenta (0%)

Yellow (30%)

Black (37%)



Cyan (47%)


Magenta (37%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5457, 0.3320, 0.4083 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 31.5457, 0.3320, 0.4083 by changing the saturation by 10% instead.


 31.5457, 0.3320,
0.4083


 31.5457, 0.3320,
0.4083


309.0445, 0.3226,
0.3648

 21.0147, 0.3341,
0.4206


 62.0982, 0.3287,
0.3915

 13.1348, 0.3366,
0.4372


 82.8885, 0.3275,
0.3855

 7.5214, 0.3393,
0.4610


 107.8675, 0.3264,
0.3805

 3.7903, 0.3415,
0.4974

 137.4193, 0.3254,
0.3763

 1.5569, 0.3781,
0.6214

171.9286, 0.3246,
0.3728

 0.3283, 0.0000,
1.0000

211.7796, 0.3238,

 0.0000, 0.0000,

0.3697

0.0000

257.3568, 0.3232,
0.3671

■ 31.5457, 0.3320,
0.4083

■ 31.5457, 0.3320,
0.4083

■ 30.5771, 0.3375,
0.4375

■ 32.6303, 0.3258,
0.3801

■ 29.7160, 0.3419,
0.4668

■ 33.8309, 0.3193,
0.3536

■ 28.9589, 0.3449,
0.4949


■ 35.1529, 0.3127,
0.3290

■ 28.3007, 0.3460,
0.5204


■ 36.5999, 0.3062,
0.3066


■ 27.7354, 0.3450,
0.5419

■ 38.1755, 0.3000,
0.2864


 27.2565, 0.3419,
0.5583

 39.8830, 0.2941,
0.2683

 26.8499, 0.3374,
0.5703

 41.7259, 0.2885,
0.2521

 43.7071, 0.2833,
0.2376

 45.7653, 0.2791,
0.2256

Harmonies

Analogous

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



31.5457, 0.3728, 0.4056



31.5457, 0.3320, 0.4083



31.5457, 0.2878, 0.3847

Triad

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



31.5457, 0.3320, 0.4083



31.5457, 0.2330, 0.2698



31.5457, 0.3758, 0.3120

Complementary

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



31.5457, 0.3320, 0.4083



19.3580, 0.2877, 0.2499

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.



31.5457, 0.3339, 0.2814



31.5457, 0.3320, 0.4083



31.5457, 0.2526, 0.2571

Square

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



31.5457, 0.3320, 0.4083



31.5457, 0.2326, 0.3000



31.5457, 0.2886, 0.2618



31.5457, 0.4000, 0.3478

Rectangle

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



31.5457, 0.3320, 0.4083



31.5457, 0.2623, 0.3578



31.5457, 0.2886, 0.2618



31.5457, 0.3632, 0.3009

Sweetspot

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



31.5471, 0.3320, 0.4083



61.6179, 0.3188, 0.3514



26.0266, 0.3672, 0.3660



13.4446, 0.3197, 0.3550



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.5471, 0.3320, 0.4083



56.0798, 0.3358, 0.4278



29.8085, 0.3095, 0.4140



7.5559, 0.3188, 0.3516



20.9420, 0.3381, 0.5698



0.3996, 0.3694, 0.5449

Inverse Universe

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



19.3580, 0.2877, 0.2499



30.3163, 0.2806, 0.2305



21.5170, 0.3152, 0.2561



6.5898, 0.3062, 0.3064



3.3296, 0.2042, 0.0899



0.0847, 0.2492, 0.1146

Previews

White Background



This preview shows how the Yxy color 31.5457, 0.3320, 0.4083 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.5457, 0.3320, 0.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

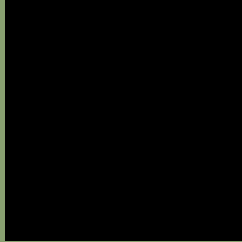
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5457, 0.3320, 0.4083

Background



This preview shows how black text looks on a background with the Yxy color 31.5457, 0.3320, 0.4083.



This preview shows how white text looks on a background with the Yxy color 31.5457, 0.3320, 0.4083.

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

31.5457, 0.3320, 0.4083

Protanopia

31.4317, 0.3684, 0.3959

Deuteranopia

31.3793, 0.3808, 0.3739



Tritanopia

31.4284, 0.2933, 0.3105

Trichromacy



Original Color

31.5457, 0.3320, 0.4083

Protanomaly

31.4168, 0.3552, 0.4013

Deuteranomaly

31.1347, 0.3618, 0.3857

Tritanomaly

31.5150, 0.3071, 0.3449

Monochromacy



Original Color

31.5457, 0.3320, 0.4083

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.0173, 0.3205, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5457, 0.3320, 0.4083 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(136, 160, 112)` looks like.

```
.text, #text, p{  
    color:rgb(136, 160, 112)  
}
```

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(136, 160, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 160, 112) }
```

Border

The CSS property to change the border of an element to Yxy 31.5457, 0.3320, 0.4083 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(136, 160, 112) }
```

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

```
.border{ border-color:rgb(136, 160, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 160, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 160, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 160, 112);  
box-shadow:4px 4px 4px 4px rgb(136, 160,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5457, 0.3320, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 160, 112) }
```

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

```
.background{ background-color: rgb(136,  
160, 112) }
```

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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