

Converting Colors

$Yxy(37.3557, 0.3439, 0.4211)$

Have a look what the booklet for
Yxy(37.3557, 0.3439, 0.4211)
contains.

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Color

Yxy(37.2542, 0.3435, 0.4204)

Conversions

Conversions Part 1

Format	Color
Hex	97AC70
RGB	151, 172, 112
RGB Percent	59%, 67%, 44%
CMY	0.4079, 0.3255, 0.5607
CMYK	0.12, 0.00, 0.35, 0.33
HSL	81°, 27%, 56%
HSV	81°, 35%, 67%
XYZ	30.4396, 37.2542, 20.9223
YIQ	158.8810, 6.7440, -23.1120

Conversions

Conversions Part 2

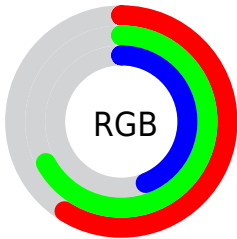
Format	Color
RYB	112, 172, 133
Decimal	9940080
CIELab	67.47, -17.69, 28.50
CIElCh	67, 33.540, 121.823
Yxy	37.2542, 0.3435, 0.4204
Android (android.graphics.Color)	4288130160 (0xFF97AC70)
YUV	158.8810, -23.1123, -6.9116
Hunter-Lab	61.0362, -17.7929, 22.4017

Details

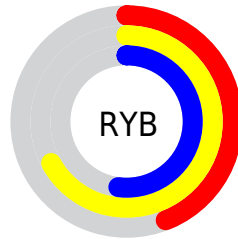
The Yxy color **37.2542, 0.3435, 0.4204** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.5620, 0.2726, 0.2326**, and the grayscale version is **34.7201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7403, 0.3388, 0.4019**, and **16.4445, 0.3505, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **36.3466, 0.3511, 0.4480**, and if you desaturate by 10%, it is **38.2677, 0.3350, 0.3928**.

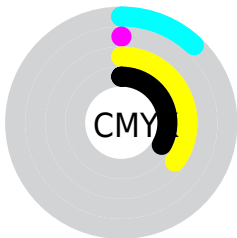
Distribution



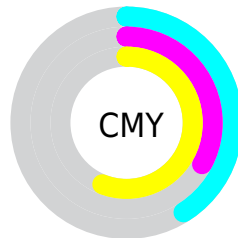
- Red (59%)
- Green (67%)
- Blue (44%)



- Red (44%)
- Yellow (67%)
- Blue (52%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)





- Cyan (41%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2542, 0.3435, 0.4204 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 37.2542, 0.3435, 0.4204 by changing the saturation by 10% instead.


 37.2542, 0.3435,
0.4204


 37.2542, 0.3435,
0.4204


334.4098, 0.3287,
0.3716


 25.4044, 0.3468,
0.4335


 70.9636, 0.3384,
0.4020


 16.3786, 0.3506,
0.4508


 93.5919, 0.3364,
0.3953

 9.7924, 0.3550,
0.4746


 120.5819, 0.3347,
0.3897

 5.2616, 0.3592,
0.5089

 152.3178, 0.3332,
0.3849

 2.4015, 0.3801,
0.5920

189.1842, 0.3318,
0.3809

 0.8267, 0.2998,
0.7002

231.5654, 0.3307,

 0.0000, 0.0000,

0.3774

0.0000

279.8458, 0.3297,
0.3743

■ 37.2542, 0.3435,
0.4204

■ 37.2542, 0.3435,
0.4204

■ 36.3466, 0.3511,
0.4480

■ 38.2677, 0.3350,
0.3928

■ 35.5355, 0.3573,
0.4746

■ 39.3866, 0.3261,
0.3661

■ 34.8173, 0.3617,
0.4989


■ 40.6164, 0.3171,
0.3407

■ 34.1865, 0.3639,
0.5199


■ 41.9608, 0.3082,
0.3171

■ 33.6367, 0.3637,
0.5364

■ 43.4236, 0.2996,
0.2955

 33.1601, 0.3611,
0.5480

 45.0080, 0.2915,
0.2758

 32.9351, 0.3593,
0.5529

 46.7174, 0.2839,
0.2580

 48.5547, 0.2768,
0.2419

 49.7377, 0.2778,
0.2381

Harmonies

Analogous

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



37.2542, 0.3871, 0.4109



37.2542, 0.3435, 0.4204



37.2542, 0.2937, 0.3996

Triad

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



37.2542, 0.3435, 0.4204



37.2542, 0.2222, 0.2676



37.2542, 0.3755, 0.3024

Complementary

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



37.2542, 0.3435, 0.4204



19.5620, 0.2726, 0.2326

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.



37.2542, 0.3261, 0.2707



37.2542, 0.3435, 0.4204



37.2542, 0.2398, 0.2500

Square

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



37.2542, 0.3435, 0.4204



37.2542, 0.2260, 0.3045



37.2542, 0.2765, 0.2519



37.2542, 0.4078, 0.3414

Rectangle

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



37.2542, 0.3435, 0.4204



37.2542, 0.2638, 0.3711



37.2542, 0.2765, 0.2519



37.2542, 0.3601, 0.2908

Sweetspot

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



37.2558, 0.3435, 0.4204



72.4701, 0.3219, 0.3540



26.7214, 0.3826, 0.3608



15.6842, 0.3231, 0.3574



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.2558, 0.3435, 0.4204



66.2685, 0.3496, 0.4422



34.7437, 0.3156, 0.4289



9.1877, 0.3211, 0.3518



24.5391, 0.3599, 0.5524



0.7116, 0.3785, 0.5377

Inverse Universe

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



19.5620, 0.2726, 0.2326



29.2136, 0.2611, 0.2081



22.3598, 0.3063, 0.2416



7.8886, 0.3038, 0.3059



2.9654, 0.1784, 0.0756



0.1135, 0.2150, 0.0958

Previews

White Background



This preview shows how the Yxy color 37.2542, 0.3435, 0.4204 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 37.2542, 0.3435, 0.4204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

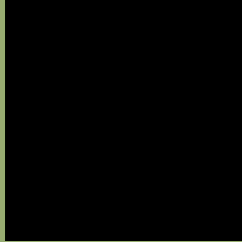
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2542, 0.3435, 0.4204

Background



This preview shows how black text looks on a background with the Yxy color 37.2542, 0.3435, 0.4204.



This preview shows how white text looks on a background with the Yxy color 37.2542, 0.3435, 0.4204.

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

37.2542, 0.3435, 0.4204

Protanopia

37.1200, 0.3766, 0.4064

Deuteranopia

36.9538, 0.3923, 0.3850



Tritanopia

37.1988, 0.2981, 0.3105

Trichromacy



Original Color

37.2542, 0.3435, 0.4204

Protanomaly

37.0881, 0.3640, 0.4118

Deuteranomaly

36.6393, 0.3741, 0.3967

Tritanomaly

37.1054, 0.3154, 0.3497

Monochromacy



Original Color

37.2542, 0.3435, 0.4204

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.5718, 0.3245, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2542, 0.3435, 0.4204 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(151, 172, 112)` looks like.

```
.text, #text, p{  
    color:rgb(151, 172, 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(151, 172, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 172, 112) }
```

Border

The CSS property to change the border of an element to Yxy 37.2542, 0.3435, 0.4204 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(151, 172, 112) }
```

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

```
.border{ border-color:rgb(151, 172, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 172, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 172, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 172, 112);  
box-shadow:4px 4px 4px 4px rgb(151, 172,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2542, 0.3435, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 172, 112) }
```

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

```
.background{ background-color: rgb(151,  
172, 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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