

Converting Colors

$Yxy(37.4252, 0.3454, 0.4026)$

Have a look what the booklet for
Yxy(37.4252, 0.3454, 0.4026)
contains.

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Color

Yxy(37.4764, 0.3453, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	9FAA78
RGB	159, 170, 120
RGB Percent	62%, 67%, 47%
CMY	0.3765, 0.3333, 0.5294
CMYK	0.06, 0.00, 0.29, 0.33
HSL	73°, 23%, 57%
HSV	73°, 29%, 67%
XYZ	32.0629, 37.4764, 23.3160
YIQ	161.0110, 9.4940, -17.8820

Conversions

Conversions Part 2

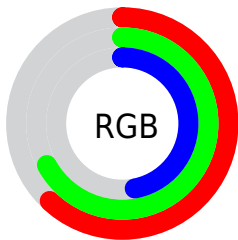
Format	Color
RYB	120, 170, 131
Decimal	10463864
CIELab	67.63, -12.42, 24.54
CIELCh	68, 27.506, 116.850
Yxy	37.4764, 0.3453, 0.4036
Android (android.graphics.Color)	4288653944 (0xFF9FAA78)
YUV	161.0110, -20.2184, -1.7636
Hunter-Lab	61.2180, -13.6420, 20.2709

Details

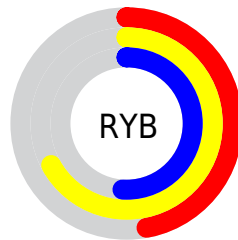
The Yxy color **37.4764, 0.3453, 0.4036** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.1647, 0.2733, 0.2479**, and the grayscale version is **35.7393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1637, 0.3392, 0.3881**, and **16.5376, 0.3539, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **36.7243, 0.3557, 0.4298**, and if you desaturate by 10%, it is **38.3167, 0.3343, 0.3774**.

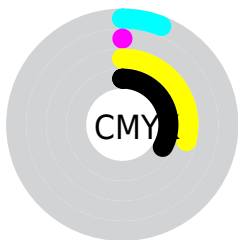
Distribution



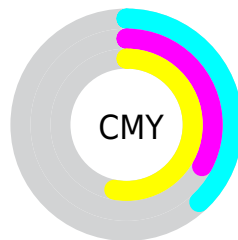
- Red (62%)
- Green (67%)
- Blue (47%)



- Red (47%)
- Yellow (67%)
- Blue (51%)



- Cyan (6%)
- Magenta (0%)
- Yellow (29%)
- Black (33%)





- Cyan (38%)
- Magenta (33%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4764, 0.3453, 0.4036 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 37.4764, 0.3453, 0.4036 by changing the saturation by 10% instead.


 37.4764, 0.3453,
0.4036


 37.4764, 0.3453,
0.4036


335.3685, 0.3291,
0.3641

 25.5766, 0.3492,
0.4141


 71.3049, 0.3395,
0.3888

 16.5071, 0.3540,
0.4280


 94.0023, 0.3373,
0.3833

 9.8837, 0.3600,
0.4470


 121.0677, 0.3354,
0.3788

 5.3219, 0.3674,
0.4745

152.8856, 0.3338,
0.3750

 2.4374, 0.3834,
0.5278

189.8401, 0.3324,
0.3717

 0.8450, 0.3717,
0.6283

232.3159, 0.3312,

 0.0000, 0.0000,

0.3688

0.0000

280.6972, 0.3301,
0.3663

■ 37.4764, 0.3453,
0.4036

■ 37.4764, 0.3453,
0.4036

■ 36.7243, 0.3557,
0.4298

■ 38.3167, 0.3343,
0.3774

■ 36.0515, 0.3650,
0.4552

■ 39.2439, 0.3231,
0.3519

■ 35.4552, 0.3728,
0.4785

■ 40.2631, 0.3121,
0.3276

■ 34.9307, 0.3784,
0.4988

■ 41.3776, 0.3014,
0.3049

■ 34.4725, 0.3817,
0.5152

■ 42.5905, 0.2913,
0.2840

■ 34.0743, 0.3825,
0.5271

■ 43.9046, 0.2819,
0.2649

■ 33.7233, 0.3812,
0.5351

■ 45.3229, 0.2731,
0.2475

■ 33.7031, 0.3811,
0.5356

■ 46.7824, 0.2657,
0.2327

■ 47.2671, 0.2684,
0.2335

Harmonies

Analogous

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



37.4764, 0.3789, 0.3937



37.4764, 0.3453, 0.4036



37.4764, 0.3043, 0.3903

Triad

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



37.4764, 0.3453, 0.4036



37.4764, 0.2366, 0.2829



37.4764, 0.3581, 0.3023

Complementary

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



37.4764, 0.3453, 0.4036



21.1647, 0.2733, 0.2479

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.



37.4764, 0.3170, 0.2769



37.4764, 0.3453, 0.4036



37.4764, 0.2486, 0.2649

Square

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



37.4764, 0.3453, 0.4036



37.4764, 0.2431, 0.3160



37.4764, 0.2771, 0.2634



37.4764, 0.3874, 0.3346

Rectangle

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



37.4764, 0.3453, 0.4036



37.4764, 0.2785, 0.3694



37.4764, 0.2771, 0.2634



37.4764, 0.3451, 0.2928

Sweetspot

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



37.4781, 0.3453, 0.4036



71.2430, 0.3228, 0.3513



26.0932, 0.3718, 0.3457



15.8318, 0.3244, 0.3548



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.



37.4781, 0.3453, 0.4036



67.1269, 0.3519, 0.4200



35.1902, 0.3215, 0.4095



8.6893, 0.3230, 0.3515



24.8162, 0.3815, 0.5353



0.6239, 0.3948, 0.5247

Inverse Universe

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



21.1647, 0.2733, 0.2479



32.8819, 0.2631, 0.2281



23.3899, 0.3001, 0.2539



7.3772, 0.3019, 0.3059



2.4511, 0.1629, 0.0671



0.0809, 0.1952, 0.0849

Previews

White Background



This preview shows how the Yxy color 37.4764, 0.3453, 0.4036 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 37.4764, 0.3453, 0.4036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

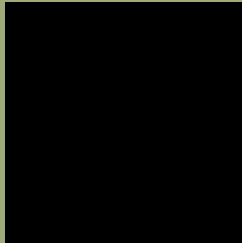
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

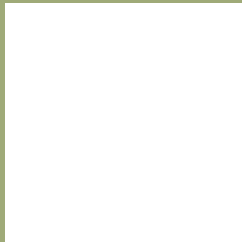
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4764, 0.3453, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 37.4764, 0.3453, 0.4036.



This preview shows how white text looks on a background with the Yxy color 37.4764, 0.3453, 0.4036.

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

37.4764, 0.3453, 0.4036

Protanopia

37.2060, 0.3674, 0.3942

Deuteranopia

37.3531, 0.3830, 0.3760



Tritanopia

37.4360, 0.3043, 0.3108

Trichromacy



Original Color

37.4764, 0.3453, 0.4036

Protanomaly

37.1504, 0.3586, 0.3971

Deuteranomaly

37.0696, 0.3687, 0.3851

Tritanomaly

37.4593, 0.3186, 0.3435

Monochromacy



Original Color

37.4764, 0.3453, 0.4036

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.0998, 0.3248, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4764, 0.3453, 0.4036 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(159, 170, 120)` looks like.

```
.text, #text, p{  
    color:rgb(159, 170, 120)  
}
```

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(159, 170, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 170, 120) }
```

Border

The CSS property to change the border of an element to Yxy 37.4764, 0.3453, 0.4036 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(159, 170, 120) }
```

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

```
.border{ border-color:rgb(159, 170, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 170, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 170, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 170, 120);  
box-shadow:4px 4px 4px 4px rgb(159, 170,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4764, 0.3453, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 170, 120) }
```

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

```
.background{ background-color: rgb(159,  
170, 120) }
```

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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