

Converting Colors

$Y_{xy}(36.3765, 0.3296, 0.3709)$

Have a look what the booklet for
Yxy(36.3765, 0.3296, 0.3709)
contains.

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Color

Yxy(36.3765, 0.3296, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	9EA68A
RGB	158, 166, 138
RGB Percent	62%, 65%, 54%
CMY	0.3804, 0.3490, 0.4587
CMYK	0.05, 0.00, 0.17, 0.35
HSL	77°, 14%, 60%
HSV	77°, 17%, 65%
XYZ	32.3259, 36.3765, 29.3739
YIQ	160.4160, 4.2200, -10.4040

Conversions

Conversions Part 2

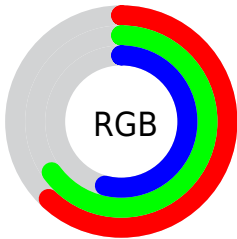
Format	Color
R _Y B	138, 166, 146
Decimal	10397322
CIE Lab	66.81, -7.91, 13.54
CIE LCh	67, 15.682, 120.301
Yxy	36.3765, 0.3296, 0.3709
Android (android.graphics.Color)	4288587402 (0xFF9EA68A)
YUV	160.4160, -11.0511, -2.1188
Hunter-Lab	60.3129, -9.8769, 13.3434

Details

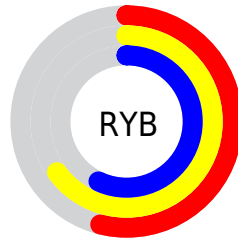
The Yxy color $36.3765, 0.3296, 0.3709$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $27.0533, 0.2939, 0.2856$, and the grayscale version is $35.4081, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.6206, 0.3270, 0.3631$, and $15.8034, 0.3340, 0.3846$ is the 20% darker color. If you saturate the color by 10%, you get $35.4610, 0.3395, 0.3974$, and if you desaturate by 10%, it is $37.3873, 0.3195, 0.3455$.

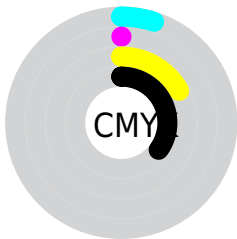
Distribution



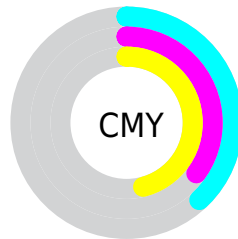
- Red (62%)
- Green (65%)
- Blue (54%)



- Red (54%)
- Yellow (65%)
- Blue (57%)



- Cyan (5%)
- Magenta (0%)
- Yellow (17%)
- Black (35%)




- Cyan (38%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3765, 0.3296, 0.3709 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 36.3765, 0.3296, 0.3709 by changing the saturation by 10% instead.

 36.3765, 0.3296,
0.3709

 36.3765, 0.3296,
0.3709


330.6032, 0.3210,
0.3487

 24.7251, 0.3318,
0.3769


 69.6128, 0.3264,
0.3625

 15.8724, 0.3346,
0.3848


 91.9665, 0.3253,
0.3595

 9.4339, 0.3383,
0.3958


 118.6564, 0.3243,
0.3570

 5.0253, 0.3435,
0.4122

150.0669, 0.3234,
0.3548

 2.2621, 0.3509,
0.4388

186.5825, 0.3227,
0.3530

 0.7535, 0.4097,
0.5903

228.5874, 0.3221,

 0.0000, 0.0000,

0.3514

0.0000

276.4662, 0.3215,
0.3500

■ 36.3765, 0.3296,
0.3709

■ 36.3765, 0.3296,
0.3709

■ 35.4610, 0.3395,
0.3974

■ 37.3873, 0.3195,
0.3455

■ 34.6324, 0.3490,
0.4243

■ 38.4920, 0.3096,
0.3217

■ 33.8887, 0.3574,
0.4509

■ 39.6952, 0.3001,
0.2996

■ 33.2256, 0.3645,
0.4760

■ 41.0000, 0.2910,
0.2793

■ 32.6387, 0.3696,
0.4984

■ 42.4091, 0.2826,
0.2609

■ 32.1228, 0.3724,
0.5173

■ 43.9254, 0.2747,
0.2443

■ 31.6723, 0.3727,
0.5317

■ 45.5514, 0.2674,
0.2293

■ 31.2784, 0.3708,
0.5416

■ 46.2274, 0.2704,
0.2296

■ 31.1608, 0.3700,
0.5444

■ 46.8743, 0.2740,
0.2306

Harmonies

Analogous

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



36.3765, 0.3495, 0.3679



36.3765, 0.3296, 0.3709



36.3765, 0.3057, 0.3615

Triad

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



36.3765, 0.3296, 0.3709



36.3765, 0.2679, 0.3011



36.3765, 0.3413, 0.3156

Complementary

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



36.3765, 0.3296, 0.3709



27.0533, 0.2939, 0.2856

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.



36.3765, 0.3184, 0.2994



36.3765, 0.3296, 0.3709



36.3765, 0.2765, 0.2907

Square

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



36.3765, 0.3296, 0.3709



36.3765, 0.2707, 0.3199



36.3765, 0.2947, 0.2904



36.3765, 0.3566, 0.3355

Rectangle

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



36.3765, 0.3296, 0.3709



36.3765, 0.2908, 0.3494



36.3765, 0.2947, 0.2904



36.3765, 0.3342, 0.3096

Sweetspot

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



36.3781, 0.3296, 0.3709



68.1924, 0.3178, 0.3412



30.4874, 0.3421, 0.3410



15.2308, 0.3185, 0.3429



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



36.3781, 0.3296, 0.3709



65.4163, 0.3331, 0.3801



35.0465, 0.3163, 0.3727



8.6644, 0.3220, 0.3516



24.1877, 0.3705, 0.5441



0.6125, 0.3874, 0.5306

Inverse Universe

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



27.0533, 0.2939, 0.2856



45.4517, 0.2894, 0.2756



28.4068, 0.3082, 0.2875



7.4006, 0.3029, 0.3060



2.6337, 0.1700, 0.0710



0.0896, 0.2071, 0.0915

Previews

White Background



This preview shows how the Yxy color 36.3765, 0.3296, 0.3709 looks on a white background.

Color Contrast Check

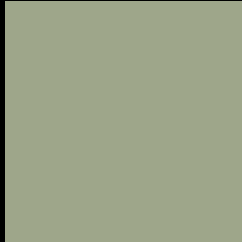
Large Text (above 18pt) WCAG AA × Fail

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 36.3765, 0.3296, 0.3709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

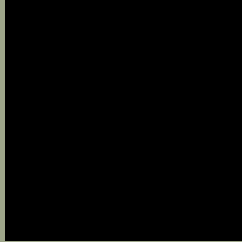
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3765, 0.3296, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 36.3765, 0.3296, 0.3709.



This preview shows how white text looks on a background with the Yxy color 36.3765, 0.3296, 0.3709.

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

36.3765, 0.3296, 0.3709

Protanopia

36.2762, 0.3453, 0.3667

Deuteranopia

36.1095, 0.3586, 0.3512



Tritanopia

36.3323, 0.3033, 0.3105

Trichromacy



Original Color

36.3765, 0.3296, 0.3709

Protanomaly

36.1075, 0.3391, 0.3672

Deuteranomaly

36.2358, 0.3481, 0.3590

Tritanomaly

36.3447, 0.3126, 0.3319

Monochromacy



Original Color

36.3765, 0.3296, 0.3709

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.4786, 0.3187, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3765, 0.3296, 0.3709 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(158, 166, 138)` looks like.

```
.text, #text, p{  
    color:rgb(158, 166, 138)  
}
```

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(158, 166, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 166, 138) }
```

Border

The CSS property to change the border of an element to Yxy 36.3765, 0.3296, 0.3709 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(158, 166, 138) }
```

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

```
.border{ border-color:rgb(158, 166, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 166, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 166, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 166, 138);  
box-shadow:4px 4px 4px 4px rgb(158, 166,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3765, 0.3296, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 166, 138) }
```

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

```
.background{ background-color: rgb(158,  
166, 138) }
```

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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