

Converting Colors

Yxy(35.7636, 0.3164, 0.3690)

Have a look what the booklet for
Yxy(35.7636, 0.3164, 0.3690)
contains.

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Color

Yxy(35.7636, 0.3164, 0.3690)

Conversions

Conversions Part 1

Format	Color
Hex	93A78D
RGB	147, 167, 141
RGB Percent	58%, 65%, 55%
CMY	0.4234, 0.3451, 0.4470
CMYK	0.12, 0.00, 0.16, 0.35
HSL	106°, 13%, 60%
HSV	106°, 16%, 65%
XYZ	30.6656, 35.7636, 30.4911
YIQ	158.0560, -3.5740, -12.3260

Conversions

Conversions Part 2

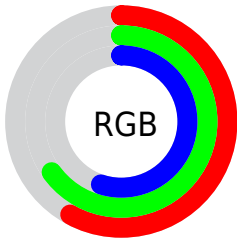
Format	Color
RYB	141, 167, 161
Decimal	9676685
CIELab	66.34, -11.98, 11.12
CIELCh	66, 16.340, 137.138
Yxy	35.7636, 0.3164, 0.3690
Android (android.graphics.Color)	4287866765 (0xFF93A78D)
YUV	158.0560, -8.4086, -9.6961
Hunter-Lab	59.8027, -13.1235, 11.6321

Details

The Yxy color **35.7636, 0.3164, 0.3690** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.4168, 0.3082, 0.2907**, and the grayscale version is **34.2631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6002, 0.3155, 0.3604**, and **15.5036, 0.3166, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **34.1842, 0.3185, 0.3982**, and if you desaturate by 10%, it is **37.5532, 0.3141, 0.3425**.

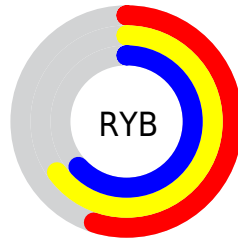
Distribution



Red (58%)

Green (65%)

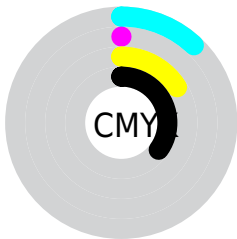
Blue (55%)



Red (55%)

Yellow (65%)

Blue (63%)

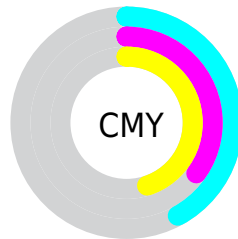


Cyan (12%)

Magenta (0%)

Yellow (16%)

Black (35%)



Cyan (42%)


Magenta (35%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7636, 0.3164, 0.3690 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 35.7636, 0.3164, 0.3690 by changing the saturation by 10% instead.


 35.7636, 0.3164,
0.3690


 35.7636, 0.3164,
0.3690


327.9261, 0.3147,
0.3477

 24.2517, 0.3168,
0.3748


 68.6670, 0.3158,
0.3609

 15.5204, 0.3172,
0.3826


 90.8273, 0.3156,
0.3580

 9.1854, 0.3176,
0.3935


 117.3059, 0.3154,
0.3555

 4.8623, 0.3179,
0.4101

148.4871, 0.3152,
0.3535

 2.1667, 0.3177,
0.4377

184.7553, 0.3151,
0.3517

 0.7018, 0.3480,
0.6520

226.4949, 0.3149,

 0.0000, 0.0000,

0.3502

0.0000

274.0904, 0.3148,
0.3488

■ 35.7636, 0.3164,
0.3690

■ 35.7636, 0.3164,
0.3690

■ 34.1842, 0.3185,
0.3982

■ 37.5532, 0.3141,
0.3425

■ 32.8028, 0.3201,
0.4295

■ 39.5556, 0.3116,
0.3188

■ 31.6127, 0.3210,
0.4622

■ 41.7793, 0.3091,
0.2978

■ 30.6052, 0.3211,
0.4949

■ 44.2308, 0.3067,
0.2794

■ 29.7709, 0.3201,
0.5257

■ 46.9165, 0.3044,
0.2632

■ 29.0994, 0.3180,
0.5526

■ 49.8424, 0.3021,
0.2491

■ 28.5791, 0.3148,
0.5736

■ 52.8256, 0.3022,
0.2392

■ 28.1965, 0.3109,
0.5876

■ 55.1100, 0.3124,
0.2420

■ 28.0612, 0.3093,
0.5926

■ 56.1145, 0.3167,
0.2431

Harmonies

Analogous

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



35.7636, 0.3404, 0.3731



35.7636, 0.3164, 0.3690



35.7636, 0.2921, 0.3527

Triad

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



35.7636, 0.3164, 0.3690



35.7636, 0.2695, 0.2924



35.7636, 0.3531, 0.3264

Complementary

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



35.7636, 0.3164, 0.3690



29.4168, 0.3082, 0.2907

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.



35.7636, 0.3327, 0.3068



35.7636, 0.3164, 0.3690



35.7636, 0.2845, 0.2875

Square

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



35.7636, 0.3164, 0.3690



35.7636, 0.2656, 0.3075



35.7636, 0.3075, 0.2928



35.7636, 0.3622, 0.3474

Rectangle

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



35.7636, 0.3164, 0.3690



35.7636, 0.2789, 0.3376



35.7636, 0.3075, 0.2928



35.7636, 0.3473, 0.3195

Sweetspot

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



35.7651, 0.3164, 0.3690



67.4209, 0.3140, 0.3413



35.6036, 0.3368, 0.3582



15.0362, 0.3141, 0.3430



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.



35.7651, 0.3164, 0.3690



62.9445, 0.3172, 0.3797



35.4347, 0.3050, 0.3586



8.4886, 0.3150, 0.3521



21.4942, 0.3098, 0.5922



0.5451, 0.3331, 0.5737

Inverse Universe

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



29.4168, 0.3082, 0.2907



49.1710, 0.3069, 0.2809



29.8089, 0.3214, 0.3011



7.5776, 0.3102, 0.3065



5.6836, 0.2638, 0.1227



0.1592, 0.2838, 0.1337

Previews

White Background



This preview shows how the Yxy color 35.7636, 0.3164, 0.3690 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 35.7636, 0.3164, 0.3690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

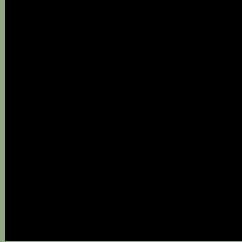
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

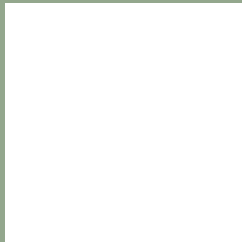
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.7636, 0.3164, 0.3690

Background



This preview shows how black text looks on a background with the Yxy color 35.7636, 0.3164, 0.3690.



This preview shows how white text looks on a background with the Yxy color 35.7636, 0.3164, 0.3690.

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

35.7636, 0.3164, 0.3690

Protanopia

35.7597, 0.3416, 0.3626

Deuteranopia

35.4931, 0.3528, 0.3458



Tritanopia

35.6112, 0.2925, 0.3100

Trichromacy



Original Color

35.7636, 0.3164, 0.3690

Protanomaly

35.6355, 0.3322, 0.3648

Deuteranomaly

35.2953, 0.3394, 0.3538

Tritanomaly

35.6793, 0.3007, 0.3305

Monochromacy



Original Color

35.7636, 0.3164, 0.3690

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.6268, 0.3140, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7636, 0.3164, 0.3690 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(147, 167, 141)` looks like.

```
.text, #text, p{  
    color:rgb(147, 167, 141)  
}
```

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(147, 167, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 167, 141) }
```

Border

The CSS property to change the border of an element to Yxy 35.7636, 0.3164, 0.3690 is called "border". The border property can be set on classes, ids or directly on the HTML element.

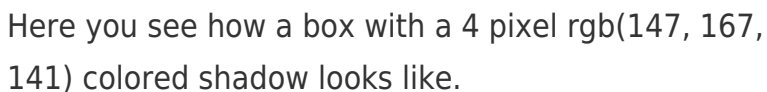
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 167, 141) }
```

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

```
.border{ border-color:rgb(147, 167, 141) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 167, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 167, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 167, 141); box-shadow:4px 4px 4px 4px rgb(147, 167, 141) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7636, 0.3164, 0.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 167, 141) }
```

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

```
.background{ background-color: rgb(147,  
167, 141) }
```

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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