

Converting Colors

$Y_{xy}(36.7231, 0.3100, 0.3674)$

Have a look what the booklet for
Yxy(36.7231, 0.3100, 0.3674)
contains.

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Color

Yxy(36.7231, 0.3100, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	90AA91
RGB	144, 170, 145
RGB Percent	56%, 67%, 57%
CMY	0.4353, 0.3333, 0.4313
CMYK	0.15, 0.00, 0.15, 0.33
HSL	122°, 13%, 62%
HSV	122°, 15%, 67%
XYZ	30.9857, 36.7231, 32.2452
YIQ	159.3760, -7.4710, -13.2870

Conversions

Conversions Part 2

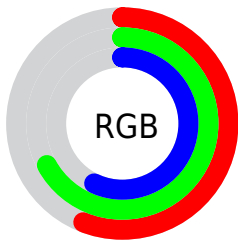
Format	Color
RYB	144, 169, 170
Decimal	9480849
CIELab	67.07, -13.93, 9.91
CIELCh	67, 17.100, 144.576
Yxy	36.7231, 0.3100, 0.3674
Android (android.graphics.Color)	4287670929 (0xFF90AA91)
YUV	159.3760, -7.0874, -13.4848
Hunter-Lab	60.5996, -14.7788, 10.8714

Details

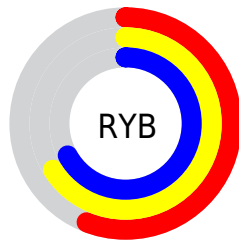
The Yxy color **36.7231, 0.3100, 0.3674** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.3537, 0.3154, 0.2934**, and the grayscale version is **34.8877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9797, 0.3106, 0.3591**, and **16.1102, 0.3079, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **34.8392, 0.3081, 0.3965**, and if you desaturate by 10%, it is **38.9131, 0.3118, 0.3415**.

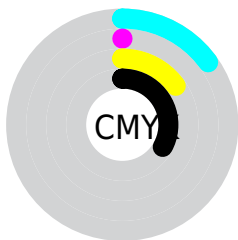
Distribution



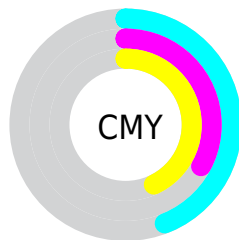
- Red (56%)
- Green (67%)
- Blue (57%)



- Red (56%)
- Yellow (66%)
- Blue (67%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (33%)





- Cyan (44%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7231, 0.3100, 0.3674 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 36.7231, 0.3100, 0.3674 by changing the saturation by 10% instead.


 36.7231, 0.3100,
0.3674


 36.7231, 0.3100,
0.3674


332.1101, 0.3116,
0.3470

 24.9932, 0.3095,
0.3729


 70.1467, 0.3107,
0.3597

 16.0720, 0.3087,
0.3804


 92.6092, 0.3109,
0.3568

 9.5751, 0.3076,
0.3908


119.4179, 0.3111,
0.3545

 5.1182, 0.3057,
0.4064

150.9574, 0.3112,
0.3525

 2.3168, 0.3019,
0.4325

187.6120, 0.3114,
0.3508

 0.7826, 0.3000,
0.5817

229.7660, 0.3115,

 0.0000, 0.0000,

0.3494

0.0000

277.8039, 0.3116,
0.3481

■ 36.7231, 0.3100,
0.3674

■ 36.7231, 0.3100,
0.3674

■ 34.8392, 0.3081,
0.3965

■ 38.9131, 0.3118,
0.3415

■ 33.2434, 0.3061,
0.4285

■ 41.4170, 0.3135,
0.3187

■ 31.9229, 0.3042,
0.4624

■ 44.2483, 0.3150,
0.2990

■ 30.8621, 0.3024,
0.4966

■ 47.4180, 0.3164,
0.2820

■ 30.0439, 0.3009,
0.5291

■ 50.9370, 0.3176,
0.2673

■ 29.4491, 0.2999,
0.5574

■ 54.8154, 0.3187,
0.2548

■ 29.0556, 0.2994,
0.5792

■ 57.2320, 0.3166,
0.2460

■ 28.8361, 0.2994,
0.5931

■ 28.7665, 0.2992,
0.5973

Harmonies

Analogous

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



36.7231, 0.3357, 0.3751



36.7231, 0.3100, 0.3674



36.7231, 0.2858, 0.3480

Triad

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



36.7231, 0.3100, 0.3674



36.7231, 0.2708, 0.2888



36.7231, 0.3582, 0.3317

Complementary

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



36.7231, 0.3100, 0.3674



31.3537, 0.3154, 0.2934

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.



36.7231, 0.3394, 0.3107



36.7231, 0.3100, 0.3674



36.7231, 0.2888, 0.2864

Square

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



36.7231, 0.3100, 0.3674



36.7231, 0.2638, 0.3019



36.7231, 0.3138, 0.2944



36.7231, 0.3642, 0.3530

Rectangle

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



36.7231, 0.3100, 0.3674



36.7231, 0.2736, 0.3317



36.7231, 0.3138, 0.2944



36.7231, 0.3532, 0.3245

Sweetspot

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



36.7247, 0.3100, 0.3674



70.6888, 0.3118, 0.3409



39.2156, 0.3343, 0.3662



15.6992, 0.3117, 0.3426



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.



36.7247, 0.3100, 0.3674



65.5368, 0.3094, 0.3759



37.1441, 0.2995, 0.3473



8.4123, 0.3111, 0.3514



21.1611, 0.2991, 0.5968



0.5163, 0.2951, 0.5822

Inverse Universe

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



31.3537, 0.3154, 0.2934



54.1103, 0.3160, 0.2862



30.8943, 0.3282, 0.3114



7.6615, 0.3143, 0.3076



8.2429, 0.3308, 0.1596



0.2021, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 36.7231, 0.3100, 0.3674 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 36.7231, 0.3100, 0.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

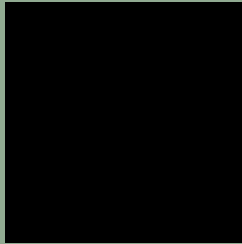
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7231, 0.3100, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 36.7231, 0.3100, 0.3674.



This preview shows how white text looks on a background with the Yxy color 36.7231, 0.3100, 0.3674.

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

36.7231, 0.3100, 0.3674

Protanopia

36.4217, 0.3406, 0.3594

Deuteranopia

36.4424, 0.3483, 0.3415



Tritanopia

36.6086, 0.2886, 0.3101

Trichromacy



Original Color

36.7231, 0.3100, 0.3674

Protanomaly

36.4403, 0.3292, 0.3631

Deuteranomaly

36.3823, 0.3330, 0.3507

Tritanomaly

36.6865, 0.2965, 0.3304

Monochromacy



Original Color

36.7231, 0.3100, 0.3674

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3975, 0.3121, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7231, 0.3100, 0.3674 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(144, 170, 145)` looks like.

```
.text, #text, p{  
    color:rgb(144, 170, 145)  
}
```

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(144, 170, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 170, 145) }
```

Border

The CSS property to change the border of an element to Yxy 36.7231, 0.3100, 0.3674 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(144, 170, 145) }
```

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

```
.border{ border-color:rgb(144, 170, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 170, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 170, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 170, 145); box-shadow:4px 4px 4px 4px rgb(144, 170, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7231, 0.3100, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 170, 145) }
```

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

```
.background{ background-color: rgb(144,  
170, 145) }
```

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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