

# Converting Colors

$Yxy(30.9661, 0.3062, 0.4112)$

Have a look what the booklet for  
Yxy(30.9661, 0.3062, 0.4112)  
contains.

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# Color

**Yxy(30.9661, 0.3062, 0.4112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71A374
RGB	113, 163, 116
RGB Percent	44%, 64%, 45%
CMY	0.5569, 0.3608, 0.5451
CMYK	0.31, 0.00, 0.29, 0.36
HSL	124°, 21%, 54%
HSV	124°, 31%, 64%
XYZ	23.0589, 30.9661, 21.2817
YIQ	142.6920, -14.7130, -25.2170

# Conversions

## Conversions Part 2

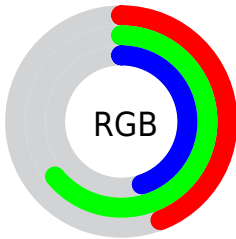
Format	Color
<a href="#">RYB</a>	<a href="#">113, 160, 163</a>
Decimal	<a href="#">7447412</a>
CIELab	<a href="#">62.48, -26.43, 19.24</a>
CIELCh	<a href="#">62, 32.690, 143.944</a>
Yxy	<a href="#">30.9661, 0.3062, 0.4112</a>
Android (android.graphics.Color)	<a href="#">4285637492 (0xFF71A374)</a>
YUV	<a href="#">142.6920, -13.1592, -26.0399</a>
Hunter-Lab	<a href="#">55.6472, -23.4163, 16.2782</a>

# Details

The Yxy color **30.9661, 0.3062, 0.4112** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.1353, 0.3196, 0.2586**, and the grayscale version is **27.3969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0770, 0.3083, 0.3934**, and **12.8309, 0.3026, 0.4439** is the 20% darker color. If you saturate the color by 10%, you get **29.6539, 0.3040, 0.4435**, and if you desaturate by 10%, it is **32.5339, 0.3084, 0.3813**.

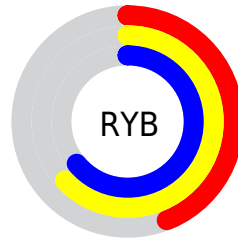
# Distribution



Red (44%)

Green (64%)

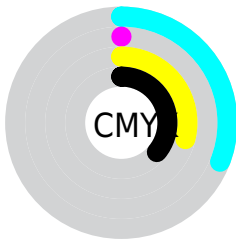
Blue (45%)



Red (44%)

Yellow (63%)

Blue (64%)

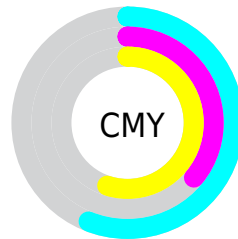


Cyan (31%)

Magenta (0%)

Yellow (29%)

Black (36%)



Cyan (56%)

Magenta (36%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9661, 0.3062, 0.4112 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 30.9661, 0.3062, 0.4112 by changing the saturation by 10% instead.





 30.9661, 0.3062,  
0.4112


 30.9661, 0.3062,  
0.4112


306.3821, 0.3107,  
0.3654

 20.5730, 0.3045,  
0.4245


 61.1867, 0.3082,  
0.3933

 12.8123, 0.3018,  
0.4427


 81.7830, 0.3089,  
0.3869

 7.2994, 0.2974,  
0.4694


 106.5492, 0.3094,  
0.3817

 3.6500, 0.2889,  
0.5117

 135.8697, 0.3098,  
0.3774

 1.4798, 0.2896,  
0.6415

170.1288, 0.3101,  
0.3737

 0.2744, 0.0000,  
1.0000

209.7110, 0.3103,

 0.0000, 0.0000,

0.3705

0.0000

255.0006, 0.3105,  
0.3678

■ 30.9661, 0.3062,  
0.4112

■ 30.9661, 0.3062,  
0.4112

■ 29.6539, 0.3040,  
0.4435

■ 32.5339, 0.3084,  
0.3813

■ 28.5802, 0.3020,  
0.4771

■ 34.3657, 0.3105,  
0.3543

■ 27.7317, 0.3004,  
0.5103

■ 36.4743, 0.3126,  
0.3305

■ 27.0924, 0.2992,  
0.5408


■ 38.8706, 0.3145,  
0.3097

■ 26.6441, 0.2986,  
0.5663

■ 41.5648, 0.3162,  
0.2917

 26.3654, 0.2987,  
0.5849

 44.5666, 0.3178,  
0.2762

 26.2175, 0.2988,  
0.5956

 47.8854, 0.3192,  
0.2628

 51.5300, 0.3205,  
0.2513

 54.6063, 0.3178,  
0.2403

# Harmonies

## Analogous

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



30.9661, 0.3575, 0.4241



30.9661, 0.3062, 0.4112



30.9661, 0.2591, 0.3691

# Triad

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



30.9661, 0.3062, 0.4112



30.9661, 0.2305, 0.2501



30.9661, 0.4051, 0.3307

# Complementary

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



30.9661, 0.3062, 0.4112



22.1353, 0.3196, 0.2586

# 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.



30.9661, 0.3654, 0.2919



30.9661, 0.3062, 0.4112



30.9661, 0.2635, 0.2470

# Square

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



30.9661, 0.3062, 0.4112



30.9661, 0.2180, 0.2735



30.9661, 0.3123, 0.2622



30.9661, 0.4172, 0.3718



# Rectangle

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



30.9661, 0.3062, 0.4112



30.9661, 0.2360, 0.3336



30.9661, 0.3123, 0.2622



30.9661, 0.3944, 0.3171

# Sweetspot

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



30.9674, 0.3062, 0.4112



62.0808, 0.3109, 0.3505



34.9140, 0.3553, 0.4044



13.8312, 0.3106, 0.3540



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



30.9674, 0.3062, 0.4112



53.7622, 0.3047, 0.4337



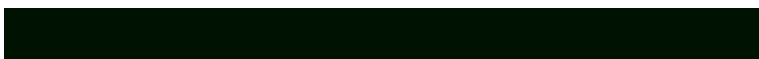
31.6149, 0.2866, 0.3672



7.9016, 0.3108, 0.3508



20.3770, 0.2986, 0.5950



0.4301, 0.2922, 0.5720



# Inverse Universe

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



22.1353, 0.3196, 0.2586



35.3164, 0.3214, 0.2429



21.3602, 0.3498, 0.2939



7.1948, 0.3146, 0.3081



7.8477, 0.3362, 0.1626



0.1669, 0.3301, 0.1592



# Previews

## White Background



This preview shows how the Yxy color 30.9661, 0.3062, 0.4112 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 30.9661, 0.3062, 0.4112 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 30.9661, 0.3062, 0.4112**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.9661, 0.3062, 0.4112.



This preview shows how white text looks on a background with the Yxy color 30.9661, 0.3062, 0.4112.

# 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

30.9661, 0.3062, 0.4112

### Protanopia

30.6199, 0.3651, 0.3906

### Deuteranopia

30.7208, 0.3715, 0.3659



## Tritanopia

30.8525, 0.2718, 0.3081

# Trichromacy



**Original Color**

30.9661, 0.3062, 0.4112

**Protanomaly**

30.5418, 0.3416, 0.3991

**Deuteranomaly**

30.4638, 0.3445, 0.3815

**Tritanomaly**

30.9202, 0.2837, 0.3439

# Monochromacy



**Original Color**

30.9661, 0.3062, 0.4112

**Achromatopsia**

27.4677, 0.3127, 0.3290

**Achromatomaly**

28.4117, 0.3104, 0.3576

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9661, 0.3062, 0.4112 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(113, 163, 116)` looks like.

```
.text, #text, p{  
    color:rgb(113, 163, 116)  
}
```

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(113, 163, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 163, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9661, 0.3062, 0.4112 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(113, 163, 116) }
```

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

```
.border{ border-color:rgb(113, 163, 116) }
```

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

Here you see how a box with a 4 pixel rgb(113, 163, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 163, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 163, 116);  
box-shadow:4px 4px 4px 4px rgb(113, 163,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9661, 0.3062, 0.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 163, 116) }
```

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

```
.background{ background-color: rgb(113,  
163, 116) }
```

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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