

Converting Colors

$Yxy(37.2378, 0.3024, 0.3064)$

Have a look what the booklet for
Yxy(37.2378, 0.3024, 0.3064)
contains.

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Color

Yxy(37.1620, 0.3026, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	A6A2B2
RGB	166, 162, 178
RGB Percent	65%, 64%, 70%
CMY	0.3492, 0.3646, 0.3019
CMYK	0.07, 0.09, 0.00, 0.30
HSL	255°, 9%, 67%
HSV	255°, 9%, 70%
XYZ	36.6772, 37.1620, 47.3676
YIQ	165.0200, -2.7520, 5.8240

Conversions

Conversions Part 2

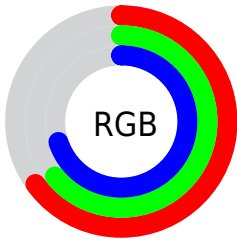
Format	Color
RYB	166, 162, 178
Decimal	10920626
CIELab	67.40, 4.54, -7.75
CIELCh	67, 8.985, 300.362
Yxy	37.1620, 0.3026, 0.3066
Android (android.graphics.Color)	4289110706 (0xFFA6A2B2)
YUV	165.0200, 6.3991, 0.8595
Hunter-Lab	60.9606, 0.7140, -3.3970

Details

The Yxy color **37.1620, 0.3026, 0.3066** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.4632, 0.3223, 0.3509**, and the grayscale version is **37.6054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9384, 0.3044, 0.3107**, and **16.2099, 0.2997, 0.2996** is the 20% darker color. If you saturate the color by 10%, you get **29.9547, 0.2897, 0.2791**, and if you desaturate by 10%, it is **45.4114, 0.3138, 0.3314**.

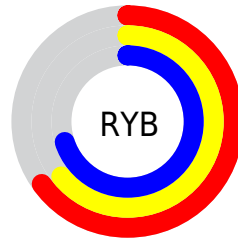
Distribution



Red (65%)

Green (64%)

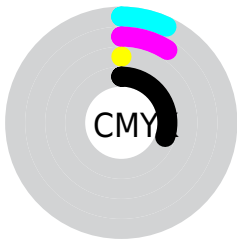
Blue (70%)



Red (65%)

Yellow (64%)

Blue (70%)

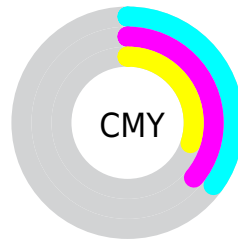


Cyan (7%)

Magenta (9%)

Yellow (0%)

Black (30%)



Cyan (35%)


Magenta (36%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1620, 0.3026, 0.3066 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 37.1620, 0.3026, 0.3066 by changing the saturation by 10% instead.


 37.1620, 0.3026,
0.3066


 37.1620, 0.3026,
0.3066


334.0114, 0.3079,
0.3181

 25.3329, 0.3012,
0.3036


 70.8219, 0.3046,
0.3109

 16.3253, 0.2994,
0.2998


 93.4215, 0.3053,
0.3124

 9.7546, 0.2968,
0.2945


120.3801, 0.3059,
0.3137

 5.2366, 0.2931,
0.2869

152.0820, 0.3064,
0.3149

 2.3867, 0.2871,
0.2752

188.9117, 0.3069,
0.3158

 0.8190, 0.2762,
0.2541

231.2536, 0.3073,

 0.0000, 0.0000,

0.3167

0.0000

279.4920, 0.3076,
0.3174

■ 37.1620, 0.3026,
0.3066

■ 37.1620, 0.3026,
0.3066

■ 29.9547, 0.2897,
0.2791

■ 45.4114, 0.3138,
0.3314

■ 23.7431, 0.2752,
0.2492

■ 54.7375, 0.3234,
0.3534

■ 18.4843, 0.2590,
0.2173

■ 65.1792, 0.3316,
0.3729

■ 14.1301, 0.2416,
0.1847

■ 76.7719, 0.3385,
0.3900

■ 10.6284, 0.2237,
0.1528

■ 89.5495, 0.3444,
0.4050

■ 7.9216, 0.2060,
0.1236

■ 94.4047, 0.3527,
0.4062

■ 5.9445, 0.1898,
0.0991

■ 95.9950, 0.3585,
0.4047

■ 4.6214, 0.1760,
0.0808

■ 3.8181, 0.1653,
0.0690

Harmonies

Analogous

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



37.1620, 0.2920, 0.3070



37.1620, 0.3026, 0.3066



37.1620, 0.3161, 0.3118

Triad

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



37.1620, 0.3026, 0.3066



37.1620, 0.3392, 0.3440



37.1620, 0.2965, 0.3366

Complementary

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



37.1620, 0.3026, 0.3066



43.4632, 0.3223, 0.3509

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.



37.1620, 0.3089, 0.3471



37.1620, 0.3026, 0.3066



37.1620, 0.3337, 0.3512

Square

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



37.1620, 0.3026, 0.3066



37.1620, 0.3375, 0.3331



37.1620, 0.3225, 0.3525



37.1620, 0.2885, 0.3241

Rectangle

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



37.1620, 0.3026, 0.3066



37.1620, 0.3250, 0.3179



37.1620, 0.3225, 0.3525



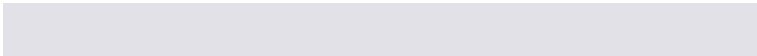
37.1620, 0.3003, 0.3405

Sweetspot

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



37.1636, 0.3026, 0.3066



76.0266, 0.3094, 0.3216



41.2794, 0.2991, 0.3238



16.5761, 0.3085, 0.3197



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.1636, 0.3026, 0.3066



64.3440, 0.2999, 0.3008



38.0306, 0.3098, 0.3071



8.3280, 0.3022, 0.3057



2.7071, 0.1653, 0.0684



0.1130, 0.1954, 0.0850

Inverse Universe

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



38.3714, 0.3172, 0.3126



67.0372, 0.3184, 0.3085



42.5941, 0.3154, 0.3514



8.6102, 0.3174, 0.3120



8.0161, 0.3938, 0.1943



0.2608, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 37.1620, 0.3026, 0.3066 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 37.1620, 0.3026, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

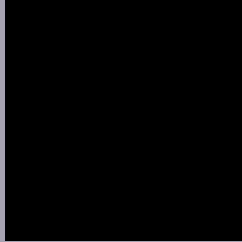
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

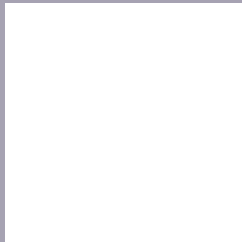
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1620, 0.3026, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 37.1620, 0.3026, 0.3066.

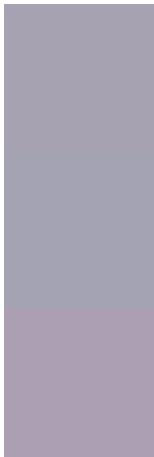


This preview shows how white text looks on a background with the Yxy color 37.1620, 0.3026, 0.3066.

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

37.1620, 0.3026, 0.3066

Protanopia

37.2356, 0.2991, 0.3065

Deuteranopia

36.9352, 0.3083, 0.3015



Tritanopia

37.0428, 0.3052, 0.3107

Trichromacy



Original Color

37.1620, 0.3026, 0.3066

Protanomaly

37.3416, 0.3000, 0.3065

Deuteranomaly

36.9423, 0.3055, 0.3027

Tritanomaly

37.0822, 0.3043, 0.3093

Monochromacy



Original Color

37.1620, 0.3026, 0.3066

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.4525, 0.3085, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1620, 0.3026, 0.3066 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(166, 162, 178)` looks like.

```
.text, #text, p{  
    color:rgb(166, 162, 178)  
}
```

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(166, 162, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 162, 178) }
```

Border

The CSS property to change the border of an element to Yxy 37.1620, 0.3026, 0.3066 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(166, 162, 178) }
```

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

```
.border{ border-color:rgb(166, 162, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 162, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 162, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 162, 178);  
box-shadow:4px 4px 4px 4px rgb(166, 162,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1620, 0.3026, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 162, 178) }
```

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

```
.background{ background-color: rgb(166,  
162, 178) }
```

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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