

Converting Colors

$Y_{xy}(37.1851, 0.3127, 0.3290)$

Have a look what the booklet for
Yxy(37.1851, 0.3127, 0.3290)
contains.

Yxy(37.1238, 0.3127, 0.3290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(37.1238, 0.3127, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	A4A4A4
RGB	164, 164, 164
RGB Percent	64%, 64%, 64%
CMY	0.3569, 0.3568, 0.3568
CMYK	0.00, 0.00, 0.00, 0.36
HSL	174°, 0%, 64%
HSV	174°, 0%, 64%
XYZ	35.2845, 37.1238, 40.4300
YIQ	164.0000, 0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
RYB	164, 164, 164
Decimal	10790052
CIELab	67.37, -0.00, -0.01
CIELCh	67, 0.010, 259.964
Yxy	37.1238, 0.3127, 0.3290
Android (android.graphics.Color)	4288980132 (0xFFA4A4A4)
YUV	164.0000, 0.0000, 0.0000
Hunter-Lab	60.9293, -3.2558, 3.3083

Details

The Yxy color **37.1238, 0.3127, 0.3290** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1201, 0.3127, 0.3290**, and the grayscale version is **37.1245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8376, 0.3127, 0.3290**, and **16.2029, 0.3127, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **35.4348, 0.2990, 0.3313**, and if you desaturate by 10%, it is **39.0418, 0.3268, 0.3269**.

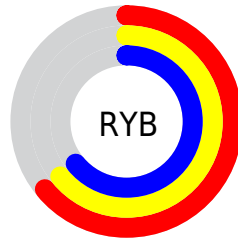
Distribution



Red (64%)

Green (64%)

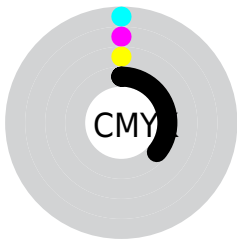
Blue (64%)



Red (64%)

Yellow (64%)

Blue (64%)

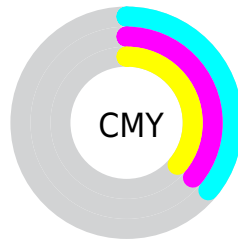


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (36%)


Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1238, 0.3127, 0.3290 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 37.1238, 0.3127, 0.3290 by changing the saturation by 10% instead.


 37.1238, 0.3127,
0.3290


 37.1238, 0.3127,
0.3290


333.8462, 0.3127,
0.3290

 25.3034, 0.3127,
0.3290


 70.7631, 0.3127,
0.3290

 16.3032, 0.3127,
0.3290


 93.3508, 0.3127,
0.3290

 9.7390, 0.3127,
0.3290


120.2964, 0.3127,
0.3290

 5.2262, 0.3127,
0.3290

151.9843, 0.3127,
0.3290

 2.3806, 0.3127,
0.3290

188.7988, 0.3127,
0.3290

 0.8159, 0.3126,
0.3289

231.1243, 0.3127,

 0.0000, 0.0000,

0.3290

0.0000

279.3453, 0.3127,
0.3290

■ 37.1238, 0.3127,
0.3290

■ 37.1238, 0.3127,
0.3290

■ 35.4348, 0.2990,
0.3313

■ 39.0418, 0.3268,
0.3269

■ 33.9613, 0.2860,
0.3339

■ 41.1920, 0.3411,
0.3250

■ 32.6960, 0.2739,
0.3367

■ 43.5837, 0.3554,
0.3233

■ 31.6290, 0.2630,
0.3396

■ 46.2242, 0.3695,
0.3219

■ 30.7500, 0.2537,
0.3427

■ 49.1207, 0.3832,
0.3206

■ 30.0473, 0.2460,
0.3458

■ 50.8504, 0.3899,
0.3192

■ 29.5083, 0.2401,
0.3491

■ 50.9124, 0.3884,
0.3176

■ 29.1186, 0.2361,
0.3523

■ 50.9750, 0.3868,
0.3159

■ 28.8611, 0.2339,
0.3556

■ 51.0384, 0.3853,
0.3142

Harmonies

Triad

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



37.1238, 0.3127, 0.3290



37.1238, 0.3128, 0.3290



37.1238, 0.3127, 0.3290

Complementary

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



37.1238, 0.3127, 0.3290



37.1201, 0.3127, 0.3290

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.



37.1238, 0.3127, 0.3290



37.1238, 0.3127, 0.3290



37.1238, 0.3128, 0.3290

Square

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



37.1238, 0.3127, 0.3290



37.1238, 0.3127, 0.3290



37.1238, 0.3128, 0.3290



37.1238, 0.3127, 0.3290

Rectangle

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



37.1238, 0.3127, 0.3290



37.1238, 0.3127, 0.3290



37.1238, 0.3128, 0.3290



37.1238, 0.3127, 0.3290

Sweetspot

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



37.1254, 0.3127, 0.3290



67.3860, 0.3127, 0.3290



37.1250, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



82.7571, 0.3127, 0.3290

Same Dimension

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



37.1254, 0.3127, 0.3290



67.3860, 0.3127, 0.3290



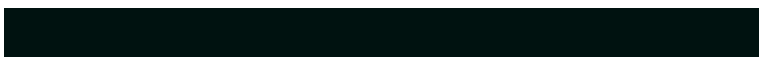
37.1227, 0.3127, 0.3290



8.3535, 0.3127, 0.3290



22.0051, 0.2329, 0.3585



0.4656, 0.2297, 0.3467

Inverse Universe

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



37.1201, 0.3127, 0.3290



67.3860, 0.3127, 0.3290



37.1227, 0.3127, 0.3290



8.3535, 0.3127, 0.3290



6.0834, 0.6263, 0.3224



0.1309, 0.5713, 0.2921

Previews

White Background



This preview shows how the Yxy color 37.1238, 0.3127, 0.3290 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 37.1238, 0.3127, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

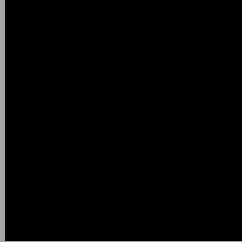
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

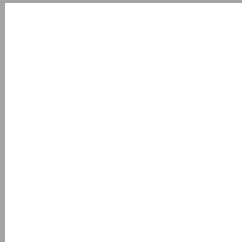
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1238, 0.3127, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 37.1238, 0.3127, 0.3290.

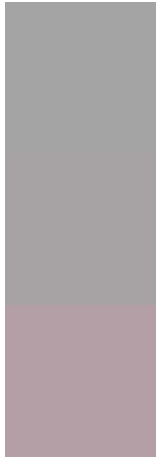


This preview shows how white text looks on a background with the Yxy color 37.1238, 0.3127, 0.3290.

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

37.1238, 0.3127, 0.3290

Protanopia

37.0902, 0.3156, 0.3276

Deuteranopia

37.0966, 0.3267, 0.3208



Tritanopia

37.0428, 0.3052, 0.3107

Trichromacy



Original Color

37.1238, 0.3127, 0.3290

Protanomaly

36.9817, 0.3147, 0.3276

Deuteranomaly

37.2050, 0.3216, 0.3234

Tritanomaly

37.1340, 0.3077, 0.3177

Monochromacy



Original Color

37.1238, 0.3127, 0.3290

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.1238, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1238, 0.3127, 0.3290 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(164, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(164, 164, 164)  
}
```

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(164, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 164, 164) }
```

Border

The CSS property to change the border of an element to Yxy 37.1238, 0.3127, 0.3290 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(164, 164, 164) }
```

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

```
.border{ border-color:rgb(164, 164, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(164, 164,  
164) }
```

Background

The CSS property to change the background color of an element to Yxy 37.1238, 0.3127, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 164, 164) }
```

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

```
.background{ background-color: rgb(164,  
164, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor