

Converting Colors

$Y_{xy}(42.9904, 0.3127, 0.3290)$

Have a look what the booklet for
Yxy(42.9904, 0.3127, 0.3290)
contains.

Yxy(42.8690, 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(42.8690, 0.3127, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	AFAF AF
RGB	175, 175, 175
RGB Percent	69%, 69%, 69%
CMY	0.3138, 0.3137, 0.3137
CMYK	0.00, 0.00, 0.00, 0.31
HSL	174°, 0%, 69%
HSV	174°, 0%, 69%
XYZ	40.7451, 42.8690, 46.6868
YIQ	175.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
RYB	175, 175, 175
Decimal	11513775
CIELab	71.47, -0.00, -0.01
CIELCh	71, 0.011, 259.964
Yxy	42.8690, 0.3127, 0.3290
Android (android.graphics.Color)	4289703855 (0xFFAFAFAF)
YUV	175.0000, 0.0000, 0.0000
Hunter-Lab	65.4744, -3.4987, 3.5551

Details

The Yxy color $42.8690, 0.3127, 0.3290$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $42.8647, 0.3127, 0.3290$, and the grayscale version is $42.8698, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.1298, 0.3127, 0.3290$, and $19.8069, 0.3127, 0.3290$ is the 20% darker color. If you saturate the color by 10%, you get $40.9095, 0.2989, 0.3314$, and if you desaturate by 10%, it is $45.0955, 0.3269, 0.3269$.

Distribution



Red (69%)

Green (69%)

Blue (69%)



Red (69%)

Yellow (69%)

Blue (69%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8690, 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 42.8690, 0.3127, 0.3290 by changing the saturation by 10% instead.

 42.8690, 0.3127,
0.3290

 42.8690, 0.3127,
0.3290


358.0728, 0.3127,
0.3290

 29.7823, 0.3127,
0.3290


 79.5131, 0.3127,
0.3290

 19.6734, 0.3127,
0.3290


103.8394, 0.3127,
0.3290

 12.1579, 0.3127,
0.3290


132.6810, 0.3127,
0.3290

 6.8513, 0.3127,
0.3290

166.4223, 0.3127,
0.3290

 3.3693, 0.3127,
0.3290

205.4478, 0.3127,
0.3290

 1.3274, 0.3126,
0.3289

250.1417, 0.3127,

 0.1623, 0.3122,

0.3290

0.3286

300.8886, 0.3127,
0.3290

0.0000, 0.0000,
0.0000

42.8690, 0.3127,
0.3290

42.8690, 0.3127,
0.3290

40.9095, 0.2989,
0.3314

45.0955, 0.3269,
0.3269

39.2014, 0.2858,
0.3339

47.5929, 0.3413,
0.3250

37.7359, 0.2737,
0.3367

50.3720, 0.3556,
0.3233

36.5016, 0.2628,
0.3396

53.4415, 0.3698,
0.3218

35.4861, 0.2534,
0.3427

55.3609, 0.3771,
0.3203

■ 34.6761, 0.2458,
0.3459

■ 55.4319, 0.3755,
0.3186

■ 34.0565, 0.2399,
0.3492

■ 55.5038, 0.3740,
0.3168

■ 33.6103, 0.2360,
0.3525

■ 55.5765, 0.3724,
0.3150

■ 33.3175, 0.2338,
0.3557

■ 55.6501, 0.3709,
0.3133

Harmonies

Triad

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



42.8690, 0.3127, 0.3290



42.8690, 0.3128, 0.3290



42.8690, 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.



42.8690, 0.3127, 0.3290



42.8647, 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.



42.8690, 0.3127, 0.3290



42.8690, 0.3127, 0.3290



42.8690, 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.



42.8690, 0.3127, 0.3290



42.8690, 0.3127, 0.3290



42.8690, 0.3128, 0.3290



42.8690, 0.3127, 0.3290

Rectangle

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



42.8690, 0.3127, 0.3290



42.8690, 0.3127, 0.3290



42.8690, 0.3128, 0.3290



42.8690, 0.3127, 0.3290

Sweetspot

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



42.8708, 0.3127, 0.3290



76.7769, 0.3127, 0.3290



42.8704, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



89.0005, 0.3127, 0.3290

Same Dimension

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



42.8708, 0.3127, 0.3290



76.7769, 0.3127, 0.3290



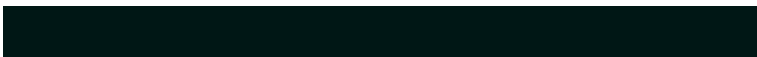
42.8678, 0.3127, 0.3290



9.4630, 0.3127, 0.3290



23.7319, 0.2330, 0.3586



0.6640, 0.2302, 0.3487

Inverse Universe

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



42.8647, 0.3127, 0.3290



76.7769, 0.3127, 0.3290



42.8678, 0.3127, 0.3290



9.4630, 0.3127, 0.3290



6.5600, 0.6268, 0.3226



0.1864, 0.5772, 0.2954

Previews

White Background



This preview shows how the Yxy color 42.8690, 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 42.8690, 0.3127, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

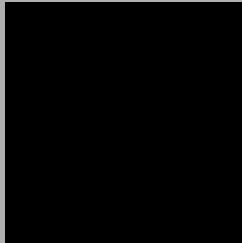
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

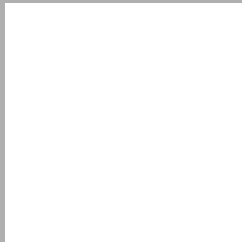
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8690, 0.3127, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 42.8690, 0.3127, 0.3290.

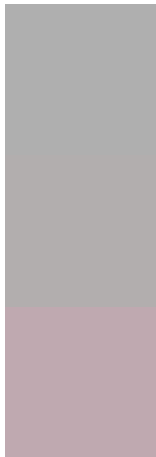


This preview shows how white text looks on a background with the Yxy color 42.8690, 0.3127, 0.3290.

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

42.8690, 0.3127, 0.3290

Protanopia

42.7931, 0.3163, 0.3290

Deuteranopia

42.5869, 0.3269, 0.3200



Tritanopia

42.8221, 0.3048, 0.3105

Trichromacy



Original Color

42.8690, 0.3127, 0.3290

Protanomaly

42.6752, 0.3154, 0.3290

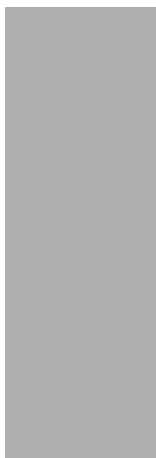
Deuteranomaly

42.5747, 0.3212, 0.3224

Tritanomaly

42.9211, 0.3071, 0.3170

Monochromacy



Original Color

42.8690, 0.3127, 0.3290

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.8690, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8690, 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(175, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(175, 175, 175)  
}
```

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(175, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 175, 175) }
```

Border

The CSS property to change the border of an element to Yxy 42.8690, 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(175, 175, 175) }
```

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

```
.border{ border-color:rgb(175, 175, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 175, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(175, 175,  
175) }
```

Background

The CSS property to change the background color of an element to Yxy 42.8690, 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(175, 175, 175) }
```

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

```
.background{ background-color: rgb(175,  
175, 175) }
```

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