

Converting Colors

$Y_{xy}(33.1130, 0.4071, 0.4977)$

Have a look what the booklet for
Yxy(33.1130, 0.4071, 0.4977)
contains.

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Color

Yxy(33.1130, 0.4071, 0.4977)

Conversions

Conversions Part 1

Format	Color
Hex	9DA220
RGB	157, 162, 32
RGB Percent	62%, 64%, 13%
CMY	0.3843, 0.3647, 0.8743
CMYK	0.03, 0.00, 0.80, 0.36
HSL	62°, 67%, 38%
HSV	62°, 80%, 64%
XYZ	27.0852, 33.1130, 6.3339
YIQ	145.6850, 38.7500, -41.4900

Conversions

Conversions Part 2

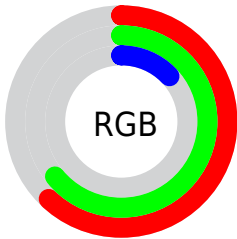
Format	Color
RYB	32, 162, 37
Decimal	10330656
CIELab	64.25, -16.89, 60.87
CIELCh	64, 63.171, 105.504
Yxy	33.1130, 0.4071, 0.4977
Android (android.graphics.Color)	4288520736 (0xFF9DA220)
YUV	145.6850, -56.0467, 9.9233
Hunter-Lab	57.5439, -16.6841, 33.7547

Details

The Yxy color **33.1130, 0.4071, 0.4977** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.0393, 0.1682, 0.0871**, and the grayscale version is **28.8334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7941, 0.3945, 0.4678**, and **14.1937, 0.4058, 0.5160** is the 20% darker color. If you saturate the color by 10%, you get **32.9842, 0.4109, 0.5058**, and if you desaturate by 10%, it is **33.2885, 0.4008, 0.4854**.

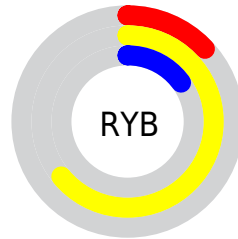
Distribution



Red (62%)

Green (64%)

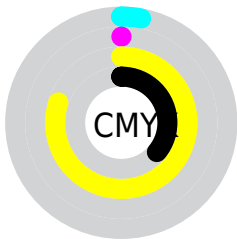
Blue (13%)



Red (13%)

Yellow (64%)

Blue (15%)

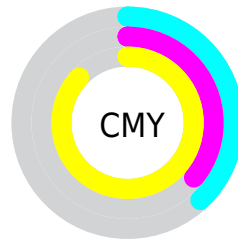


Cyan (3%)

Magenta (0%)

Yellow (80%)

Black (36%)



Cyan (38%)


Magenta (36%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1130, 0.4071, 0.4977 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 33.1130, 0.4071, 0.4977 by changing the saturation by 10% instead.


 33.1130, 0.4071,
0.4977


 33.1130, 0.4071,
0.4977


316.1586, 0.3650,
0.4118

 22.2130, 0.4137,
0.5170


 64.5519, 0.3942,
0.4674

 14.0135, 0.4190,
0.5393


 85.8596, 0.3885,
0.4556


 8.1301, 0.4270,
0.5730


 111.4054, 0.3834,
0.4456

 4.1783, 0.4115,
0.5885

 141.5736, 0.3789,
0.4369

 1.7738, 0.3854,
0.6146

 176.7486, 0.3748,
0.4293

 0.4708, 0.0696,
0.9304

 217.3149, 0.3712,

 0.0000, 0.0000,

0.4227

0.0000

263.6567, 0.3679,
0.4169

■ 33.1130, 0.4071,
0.4977

■ 33.1130, 0.4071,
0.4977

■ 32.9842, 0.4109,
0.5058

■ 33.2885, 0.4008,
0.4854

■ 32.8862, 0.4127,
0.5105

■ 33.5117, 0.3921,
0.4691

■ 33.7889, 0.3813,
0.4494

■ 34.1244, 0.3688,
0.4271

■ 34.5218, 0.3552,
0.4031

■ 34.9847, 0.3411,
0.3783

■ 35.5164, 0.3269,
0.3536

■ 36.1197, 0.3130,
0.3295

■ 36.7974, 0.2997,
0.3066

Harmonies

Analogous

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



33.1130, 0.4775, 0.4394



33.1130, 0.4071, 0.4977



33.1130, 0.3178, 0.5082

Triad

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



33.1130, 0.4071, 0.4977



33.1130, 0.1512, 0.2400



33.1130, 0.3820, 0.2466

Complementary

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



33.1130, 0.4071, 0.4977



4.0393, 0.1682, 0.0871

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.



33.1130, 0.2814, 0.2051



33.1130, 0.4071, 0.4977



33.1130, 0.1622, 0.1964

Square

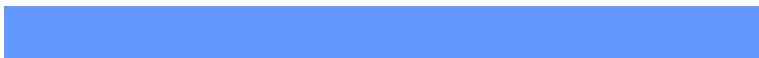
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.1130, 0.4071, 0.4977



33.1130, 0.1732, 0.3257



33.1130, 0.2051, 0.1870



33.1130, 0.4709, 0.3046

Rectangle

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



33.1130, 0.4071, 0.4977



33.1130, 0.2585, 0.4692



33.1130, 0.2051, 0.1870



33.1130, 0.3474, 0.2305

Sweetspot

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



33.1145, 0.4071, 0.4977



63.1365, 0.3471, 0.3888



9.0718, 0.5818, 0.3339



14.1168, 0.3520, 0.3973



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.



33.1145, 0.4071, 0.4977



59.7416, 0.4121, 0.5092



28.2586, 0.3409, 0.5453



8.2233, 0.3256, 0.3513



25.9111, 0.4128, 0.5105



0.5484, 0.4153, 0.5085

Inverse Universe

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



4.0393, 0.1682, 0.0871



5.0325, 0.1527, 0.0632



6.4324, 0.2320, 0.1199



6.8724, 0.2992, 0.3058



2.0913, 0.1516, 0.0609



0.0476, 0.1590, 0.0650

Previews

White Background



This preview shows how the Yxy color 33.1130, 0.4071, 0.4977 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 33.1130, 0.4071, 0.4977 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 33.1130, 0.4071, 0.4977

Background



This preview shows how black text looks on a background with the Yxy color 33.1130, 0.4071, 0.4977.



This preview shows how white text looks on a background with the Yxy color 33.1130, 0.4071, 0.4977.

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

33.1130, 0.4071, 0.4977

Protanopia

32.9846, 0.4331, 0.4794

Deuteranopia

33.0688, 0.4595, 0.4504



Tritanopia

33.1024, 0.3186, 0.3117

Trichromacy



Original Color

33.1130, 0.4071, 0.4977

Protanomaly

32.8775, 0.4232, 0.4861

Deuteranomaly

32.8611, 0.4410, 0.4672

Tritanomaly

32.5730, 0.3603, 0.3895

Monochromacy



Original Color

33.1130, 0.4071, 0.4977

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.9604, 0.3558, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1130, 0.4071, 0.4977 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(157, 162, 32)` looks like.

```
.text, #text, p{  
    color:rgb(157, 162, 32)  
}
```

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(157, 162, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 162, 32) }
```

Border

The CSS property to change the border of an element to Yxy 33.1130, 0.4071, 0.4977 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(157, 162, 32) }
```

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

```
.border{ border-color:rgb(157, 162, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 162, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 162, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 162, 32);  
box-shadow:4px 4px 4px 4px rgb(157, 162,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1130, 0.4071, 0.4977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 162, 32) }
```

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

```
.background{ background-color: rgb(157,  
162, 32) }
```

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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