

Converting Colors

$Y_{xy}(30.2785, 0.4340, 0.4759)$

Have a look what the booklet for
Yxy(30.2785, 0.4340, 0.4759)
contains.

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Color

Yxy(30.4630, 0.4336, 0.4760)

Conversions

Conversions Part 1

Format	Color
Hex	AA9620
RGB	170, 150, 32
RGB Percent	67%, 59%, 13%
CMY	0.3332, 0.4118, 0.8744
CMYK	0.00, 0.12, 0.81, 0.33
HSL	51°, 68%, 40%
HSV	51°, 81%, 67%
XYZ	27.7495, 30.4630, 5.7854
YIQ	142.5280, 49.7980, -32.4580

Conversions

Conversions Part 2

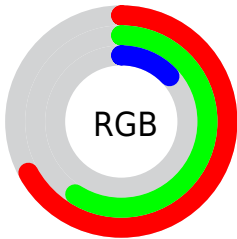
Format	Color
RYB	55, 170, 32
Decimal	11179552
CIELab	62.05, -4.73, 59.38
CIELCh	62, 59.571, 94.556
Yxy	30.4630, 0.4336, 0.4760
Android (android.graphics.Color)	4289369632 (0xFFAA9620)
YUV	142.5280, -54.4903, 24.0929
Hunter-Lab	55.1933, -6.8440, 32.4205

Details

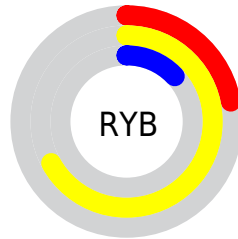
The Yxy color **30.4630, 0.4336, 0.4760** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.6723, 0.1701, 0.1062**, and the grayscale version is **27.4795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5483, 0.4148, 0.4512**, and **12.6918, 0.4416, 0.4875** is the 20% darker color. If you saturate the color by 10%, you get **29.6151, 0.4418, 0.4813**, and if you desaturate by 10%, it is **31.3781, 0.4227, 0.4663**.

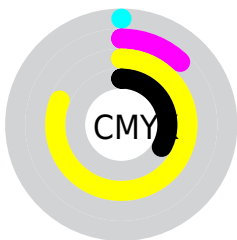
Distribution



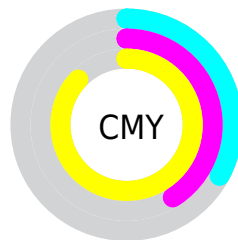
- Red (67%)
- Green (59%)
- Blue (13%)



- Red (22%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (12%)
- Yellow (81%)
- Black (33%)





- Cyan (33%)
- Magenta (41%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4630, 0.4336, 0.4760 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 30.4630, 0.4336, 0.4760 by changing the saturation by 10% instead.

 30.4630, 0.4336,
0.4760


 30.4630, 0.4336,
0.4760


304.0567, 0.3759,
0.4034

 20.1903, 0.4445,
0.4911


 60.3936, 0.4146,
0.4512


 12.5334, 0.4554,
0.5074

 80.8203, 0.4068,
0.4413

 7.1081, 0.4700,
0.5300


 105.4004, 0.3999,
0.4327

 3.5298, 0.4654,
0.5346

 134.5184, 0.3939,
0.4252

 1.4142, 0.4575,
0.5425

 168.5587, 0.3886,
0.4187

 0.2271, 0.3065,
0.6935

 207.9055, 0.3838,

 0.0000, 0.0000,

0.4130

0.0000

252.9434, 0.3797,
0.4079

■ 30.4630, 0.4336,
0.4760

■ 30.4630, 0.4336,
0.4760

■ 29.6151, 0.4418,
0.4813

■ 31.3781, 0.4227,
0.4663

■ 28.9055, 0.4473,
0.4831

■ 32.3626, 0.4095,
0.4526

■ 33.4235, 0.3945,
0.4355

■ 34.5658, 0.3784,
0.4161

■ 35.7937, 0.3618,
0.3951

■ 37.1114, 0.3454,
0.3736

■ 38.5225, 0.3295,
0.3521

■ 40.0307, 0.3144,
0.3314

■ 41.6390, 0.3004,
0.3116

Harmonies

Analogous

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



30.4630, 0.4894, 0.4133



30.4630, 0.4336, 0.4760



30.4630, 0.3510, 0.5073

Triad

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



30.4630, 0.4336, 0.4760



30.4630, 0.1590, 0.2685



30.4630, 0.3434, 0.2315

Complementary

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



30.4630, 0.4336, 0.4760



5.6723, 0.1701, 0.1062

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.



30.4630, 0.2516, 0.1987



30.4630, 0.4336, 0.4760



30.4630, 0.1583, 0.2112

Square

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



30.4630, 0.4336, 0.4760



30.4630, 0.1938, 0.3652



30.4630, 0.1888, 0.1904



30.4630, 0.4390, 0.2836

Rectangle

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



30.4630, 0.4336, 0.4760



30.4630, 0.2916, 0.4895



30.4630, 0.1888, 0.1904



30.4630, 0.3106, 0.2181

Sweetspot

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



30.4645, 0.4336, 0.4760



66.5098, 0.3507, 0.3806



9.8382, 0.5565, 0.3087



14.6471, 0.3564, 0.3881



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.4645, 0.4336, 0.4760



52.6120, 0.4462, 0.4824



32.9823, 0.3641, 0.5307



8.5854, 0.3265, 0.3482



21.3182, 0.4469, 0.4834



0.5676, 0.4365, 0.4916

Inverse Universe

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



5.6723, 0.1701, 0.1062



6.6884, 0.1545, 0.0742



5.6575, 0.2009, 0.1023



7.4698, 0.2986, 0.3091



2.6888, 0.1538, 0.0737



0.1162, 0.1665, 0.1195

Previews

White Background



This preview shows how the Yxy color 30.4630, 0.4336, 0.4760 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 30.4630, 0.4336, 0.4760 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 30.4630, 0.4336, 0.4760

Background



This preview shows how black text looks on a background with the Yxy color 30.4630, 0.4336, 0.4760.



This preview shows how white text looks on a background with the Yxy color 30.4630, 0.4336, 0.4760.

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

30.4630, 0.4336, 0.4760

Protanopia

30.3520, 0.4325, 0.4768

Deuteranopia

30.2922, 0.4613, 0.4511



Tritanopia

30.4555, 0.3429, 0.3134

Trichromacy



Original Color

30.4630, 0.4336, 0.4760

Protanomaly

30.3520, 0.4325, 0.4768

Deuteranomaly

30.3172, 0.4509, 0.4600

Tritanomaly

30.1432, 0.3847, 0.3820

Monochromacy



Original Color

30.4630, 0.4336, 0.4760

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.3093, 0.3637, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4630, 0.4336, 0.4760 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(170, 150, 32)` looks like.

```
.text, #text, p{  
    color:rgb(170, 150, 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(170, 150, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 150, 32) }
```

Border

The CSS property to change the border of an element to Yxy 30.4630, 0.4336, 0.4760 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(170, 150, 32) }
```

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

```
.border{ border-color:rgb(170, 150, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 150, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 150, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 150, 32);  
box-shadow:4px 4px 4px 4px rgb(170, 150,  
32) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.4630, 0.4336, 0.4760$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 150, 32) }
```

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

```
.background{ background-color: rgb(170,  
150, 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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