

Converting Colors

$Y_{xy}(30.7110, 0.4379, 0.4850)$

Have a look what the booklet for
Yxy(30.7110, 0.4379, 0.4850)
contains.

Yxy(30.7110, 0.4379, 0.4850)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7110, 0.4379, 0.4850)

Conversions

Conversions Part 1

Format	Color
Hex	AA970E
RGB	170, 151, 14
RGB Percent	67%, 59%, 5%
CMY	0.3332, 0.4079, 0.9450
CMYK	0.00, 0.11, 0.92, 0.33
HSL	53°, 85%, 36%
HSV	53°, 92%, 67%
XYZ	27.7286, 30.7110, 4.8821
YIQ	141.0630, 55.3010, -38.5790

Conversions

Conversions Part 2

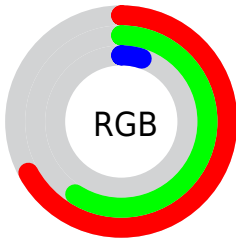
Format	Color
R_{YB}	36, 170, 14
Decimal	11179790
CIE Lab	62.26, -5.73, 63.88
CIE LCh	62, 64.140, 95.122
Yxy	30.7110, 0.4379, 0.4850
Android (android.graphics.Color)	4289369870 (0xFFAA970E)
YUV	141.0630, -62.6421, 25.3777
Hunter-Lab	55.4175, -7.6669, 33.5690

Details

The Yxy color **30.7110, 0.4379, 0.4850** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.0877, 0.1582, 0.0810**, and the grayscale version is **26.8992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8707, 0.4193, 0.4597**, and **12.8181, 0.4384, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **30.1341, 0.4424, 0.4869**, and if you desaturate by 10%, it is **31.4535, 0.4306, 0.4797**.

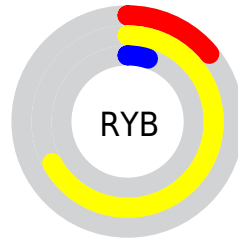
Distribution



Red (67%)

Green (59%)

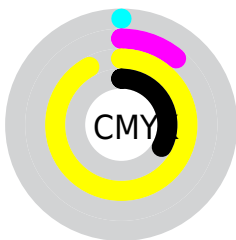
Blue (5%)



Red (14%)

Yellow (67%)

Blue (5%)

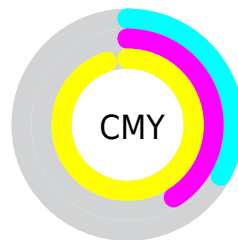


Cyan (0%)

Magenta (11%)

Yellow (92%)

Black (33%)



Cyan (33%)


Magenta (41%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7110, 0.4379, 0.4850 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 30.7110, 0.4379, 0.4850 by changing the saturation by 10% instead.


 30.7110, 0.4379,
0.4850


 30.7110, 0.4379,
0.4850

305.2047, 0.3797,
0.4091

 20.3789, 0.4480,
0.5000


 60.7848, 0.4194,
0.4596


 12.6708, 0.4580,
0.5164


 81.2952, 0.4115,
0.4493


 7.2022, 0.4664,
0.5336


 105.9673, 0.4045,
0.4403

 3.5889, 0.4609,
0.5391

 135.1852, 0.3983,
0.4324

 1.4464, 0.4513,
0.5487

 169.3336, 0.3928,
0.4255

 0.2505, 0.2819,
0.7181

 208.7967, 0.3880,

 0.0000, 0.0000,

0.4193

0.0000

253.9589, 0.3836,
0.4139

30.7110, 0.4379,
0.4850

30.7110, 0.4379,
0.4850

30.1341, 0.4424,
0.4869

31.4535, 0.4306,
0.4797

32.2535, 0.4206,
0.4700

33.1193, 0.4082,
0.4563

34.0563, 0.3940,
0.4391

35.0694, 0.3784,
0.4193

■ 36.1630, 0.3623,
0.3980

■ 37.3412, 0.3461,
0.3760

■ 38.6077, 0.3303,
0.3540

■ 39.9658, 0.3153,
0.3327

Harmonies

Analogous

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



30.7110, 0.4994, 0.4171



30.7110, 0.4379, 0.4850



30.7110, 0.3497, 0.5208

Triad

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



30.7110, 0.4379, 0.4850



30.7110, 0.1498, 0.2617



30.7110, 0.3471, 0.2266

Complementary

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



30.7110, 0.4379, 0.4850



4.0877, 0.1582, 0.0810

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.



30.7110, 0.2489, 0.1918



30.7110, 0.4379, 0.4850



30.7110, 0.1501, 0.2027

Square

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



30.7110, 0.4379, 0.4850



30.7110, 0.1848, 0.3650



30.7110, 0.1823, 0.1824



30.7110, 0.4498, 0.2813

Rectangle

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



30.7110, 0.4379, 0.4850



30.7110, 0.2869, 0.5020



30.7110, 0.1823, 0.1824



30.7110, 0.3118, 0.2124

Sweetspot

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



30.7125, 0.4379, 0.4850



66.2646, 0.3570, 0.3909



8.9843, 0.5993, 0.3159



14.5824, 0.3638, 0.4001



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.



30.7125, 0.4379, 0.4850



54.4373, 0.4428, 0.4866



32.2920, 0.3597, 0.5467



8.6153, 0.3265, 0.3487



22.2127, 0.4421, 0.4872



0.5827, 0.4336, 0.4939

Inverse Universe

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



4.0877, 0.1582, 0.0810



6.0530, 0.1522, 0.0680



4.5660, 0.1893, 0.0862



7.4426, 0.2986, 0.3086



2.5691, 0.1530, 0.0708



0.1060, 0.1642, 0.1109

Previews

White Background



This preview shows how the Yxy color 30.7110, 0.4379, 0.4850 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 30.7110, 0.4379, 0.4850 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 30.7110, 0.4379, 0.4850

Background



This preview shows how black text looks on a background with the Yxy color 30.7110, 0.4379, 0.4850.



This preview shows how white text looks on a background with the Yxy color 30.7110, 0.4379, 0.4850.

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

30.7110, 0.4379, 0.4850

Protanopia

30.7110, 0.4379, 0.4850

Deuteranopia

30.6539, 0.4662, 0.4579



Tritanopia

30.5742, 0.3440, 0.3135

Trichromacy



Original Color

30.7110, 0.4379, 0.4850

Protanomaly

30.7110, 0.4379, 0.4850

Deuteranomaly

30.6756, 0.4562, 0.4675

Tritanomaly

30.1162, 0.3932, 0.3918

Monochromacy



Original Color

30.7110, 0.4379, 0.4850

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.7524, 0.3711, 0.4096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7110, 0.4379, 0.4850 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, 151, 14)` looks like.

```
.text, #text, p{  
    color:rgb(170, 151, 14)  
}
```

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, 151, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 151, 14) }
```

Border

The CSS property to change the border of an element to Yxy 30.7110, 0.4379, 0.4850 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, 151, 14) }
```

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

```
.border{ border-color:rgb(170, 151, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 151, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 151, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 151, 14);  
box-shadow:4px 4px 4px 4px rgb(170, 151,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7110, 0.4379, 0.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 151, 14) }
```

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

```
.background{ background-color: rgb(170,  
151, 14) }
```

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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