

Converting Colors

$Yxy(30.1493, 0.3629, 0.4663)$

Have a look what the booklet for
Yxy(30.1493, 0.3629, 0.4663)
contains.

Yxy(30.0990, 0.3630, 0.4659)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.0990, 0.3630, 0.4659)

Conversions

Conversions Part 1

Format	Color
Hex	879E4A
RGB	135, 158, 74
RGB Percent	53%, 62%, 29%
CMY	0.4707, 0.3804, 0.7098
CMYK	0.15, 0.00, 0.53, 0.38
HSL	76°, 36%, 45%
HSV	76°, 53%, 62%
XYZ	23.4512, 30.0990, 11.0537
YIQ	141.5470, 13.2560, -31.0000

Conversions

Conversions Part 2

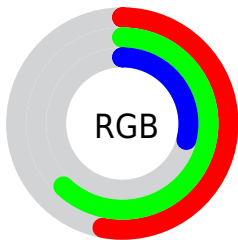
Format	Color
RYB	74, 158, 97
Decimal	8887882
CIELab	61.74, -21.48, 40.73
CIELCh	62, 46.052, 117.806
Yxy	30.0990, 0.3630, 0.4659
Android (android.graphics.Color)	4287077962 (0xFF879E4A)
YUV	141.5470, -33.3007, -5.7417
Hunter-Lab	54.8626, -19.7088, 26.4580

Details

The Yxy color **30.0990, 0.3630, 0.4659** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.9122, 0.2378, 0.1738**, and the grayscale version is **26.9910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0163, 0.3553, 0.4375**, and **12.4203, 0.3715, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **29.5613, 0.3691, 0.4892**, and if you desaturate by 10%, it is **30.7075, 0.3552, 0.4404**.

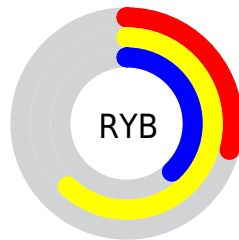
Distribution



Red (53%)

Green (62%)

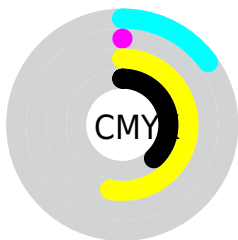
Blue (29%)



Red (29%)

Yellow (62%)

Blue (38%)

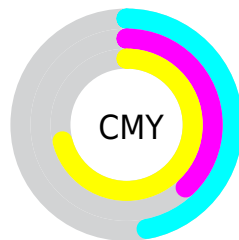


Cyan (15%)

Magenta (0%)

Yellow (53%)

Black (38%)



Cyan (47%)


Magenta (38%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0990, 0.3630, 0.4659 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 30.0990, 0.3630, 0.4659 by changing the saturation by 10% instead.

 30.0990, 0.3630,
0.4659


 30.0990, 0.3630,
0.4659

302.3656, 0.3393,
0.3908


 19.9137, 0.3675,
0.4863


 59.8187, 0.3552,
0.4372

 12.3324, 0.3719,
0.5129


 80.1219, 0.3520,
0.4269

 6.9705, 0.3745,
0.5485


 104.5666, 0.3492,
0.4183

 3.4436, 0.3833,
0.6167

 133.5372, 0.3467,
0.4110

 1.3675, 0.3420,
0.6580

 167.4179, 0.3445,
0.4048

 0.1926, 0.0000,
1.0000

206.5933, 0.3426,

 0.0000, 0.0000,

0.3995

0.0000

251.4478, 0.3409,
0.3949

■ 30.0990, 0.3630,
0.4659

■ 30.0990, 0.3630,
0.4659

■ 29.5613, 0.3691,
0.4892

■ 30.7075, 0.3552,
0.4404

■ 29.0861, 0.3730,
0.5093

■ 31.3867, 0.3461,
0.4139

■ 28.6699, 0.3745,
0.5253

■ 32.1413, 0.3363,
0.3872

■ 28.3070, 0.3736,
0.5366

■ 32.9747, 0.3261,
0.3612

■ 28.0798, 0.3722,
0.5427

■ 33.8898, 0.3159,
0.3365

■ 34.8895, 0.3060,
0.3134

■ 35.9765, 0.2965,
0.2920

■ 37.1534, 0.2875,
0.2725

■ 38.4227, 0.2791,
0.2547

Harmonies

Analogous

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



30.0990, 0.4246, 0.4398



30.0990, 0.3630, 0.4659



30.0990, 0.2916, 0.4445

Triad

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



30.0990, 0.3630, 0.4659



30.0990, 0.1846, 0.2440



30.0990, 0.3960, 0.2832

Complementary

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



30.0990, 0.3630, 0.4659



9.9122, 0.2378, 0.1738

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.



30.0990, 0.3205, 0.2424



30.0990, 0.3630, 0.4659



30.0990, 0.2045, 0.2186

Square

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



30.0990, 0.3630, 0.4659



30.0990, 0.1926, 0.2990



30.0990, 0.2512, 0.2193



30.0990, 0.4491, 0.3349

Rectangle

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



30.0990, 0.3630, 0.4659



30.0990, 0.2481, 0.4024



30.0990, 0.2512, 0.2193



30.0990, 0.3718, 0.2680

Sweetspot

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



30.1003, 0.3630, 0.4659



59.3804, 0.3293, 0.3693



16.2056, 0.4411, 0.3655



13.3210, 0.3313, 0.3743



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.1003, 0.3630, 0.4659



53.4857, 0.3701, 0.4937



27.3111, 0.3213, 0.4864



7.6288, 0.3221, 0.3514



22.5060, 0.3726, 0.5424



0.4220, 0.3924, 0.5266

Inverse Universe

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



9.9122, 0.2378, 0.1738



12.7832, 0.2168, 0.1373



12.8064, 0.2914, 0.1947



6.5189, 0.3028, 0.3062



2.4117, 0.1689, 0.0704



0.0624, 0.2099, 0.0930

Previews

White Background



This preview shows how the Yxy color 30.0990, 0.3630, 0.4659 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 30.0990, 0.3630, 0.4659 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 30.0990, 0.3630, 0.4659

Background



This preview shows how black text looks on a background with the Yxy color 30.0990, 0.3630, 0.4659.



This preview shows how white text looks on a background with the Yxy color 30.0990, 0.3630, 0.4659.

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

30.0990, 0.3630, 0.4659

Protanopia

29.9492, 0.4051, 0.4427

Deuteranopia

29.9633, 0.4251, 0.4166



Tritanopia

30.0527, 0.2986, 0.3119

Trichromacy



Original Color

30.0990, 0.3630, 0.4659

Protanomaly

29.7944, 0.3895, 0.4511

Deuteranomaly

29.8226, 0.4020, 0.4335

Tritanomaly

29.7042, 0.3231, 0.3667

Monochromacy



Original Color

30.0990, 0.3630, 0.4659

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.9531, 0.3334, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0990, 0.3630, 0.4659 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(135, 158, 74)` looks like.

```
.text, #text, p{  
    color:rgb(135, 158, 74)  
}
```

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(135, 158, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 158, 74) }
```

Border

The CSS property to change the border of an element to Yxy 30.0990, 0.3630, 0.4659 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(135, 158, 74) }
```

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

```
.border{ border-color:rgb(135, 158, 74) }
```

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

Here you see how a box with a 4 pixel rgb(135, 158, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 158, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 158, 74);  
box-shadow:4px 4px 4px 4px rgb(135, 158,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0990, 0.3630, 0.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 158, 74) }
```

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

```
.background{ background-color: rgb(135,  
158, 74) }
```

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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