

Converting Colors

$Y_{xy}(30.4659, 0.4151, 0.4982)$

Have a look what the booklet for
Yxy(30.4659, 0.4151, 0.4982)
contains.

| | |
|---|----|
| Yxy(30.4692, 0.4151, 0.4982) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(30.4692, 0.4151, 0.4982)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9B9B16 |
| RGB | 155, 155, 22 |
| RGB Percent | 61%, 61%, 9% |
| CMY | 0.3921, 0.3922, 0.9137 |
| CMYK | 0.00, 0.00, 0.86, 0.39 |
| HSL | 60°, 75%, 35% |
| HSV | 60°, 86%, 61% |
| XYZ | 25.3869, 30.4692, 5.3024 |
| YIQ | 139.8380, 42.6930, -41.3630 |

Conversions

Conversions Part 2

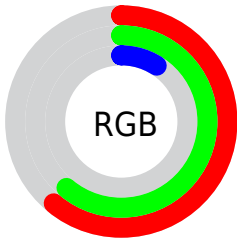
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 22, 155, 22 |
| Decimal | 10197782 |
| CIE _{Lab} | 62.06, -14.45, 61.55 |
| CIE _{LCh} | 62, 63.219, 103.212 |
| Yxy | 30.4692, 0.4151, 0.4982 |
| Android (android.graphics.Color) | 4288387862 (0xFF9B9B16) |
| YUV | 139.8380, -58.0941, 13.2971 |
| Hunter-Lab | 55.1989, -14.5029, 32.9438 |

Details

The Yxy color **30.4692, 0.4151, 0.4982** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.1132, 0.1597, 0.0761**, and the grayscale version is **26.3792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3563, 0.4012, 0.4678**, and **12.6100, 0.4130, 0.5103** is the 20% darker color. If you saturate the color by 10%, you get **30.4260, 0.4183, 0.5035**, and if you desaturate by 10%, it is **30.5504, 0.4095, 0.4890**.

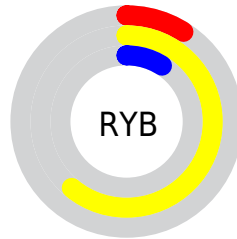
Distribution



Red (61%)

Green (61%)

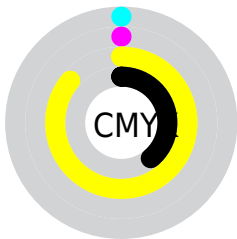
Blue (9%)



Red (9%)

Yellow (61%)

Blue (9%)

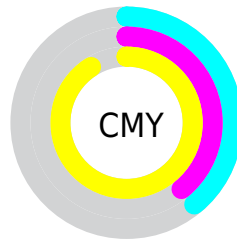


Cyan (0%)

Magenta (0%)

Yellow (86%)

Black (39%)



Cyan (39%)

Magenta (39%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4692, 0.4151, 0.4982 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 30.4692, 0.4151, 0.4982 by changing the saturation by 10% instead.

30.4692, 0.4151,
0.4982

30.4692, 0.4151,
0.4982

304.0854, 0.3687,
0.4121

20.1950, 0.4224,
0.5171

60.4034, 0.4008,
0.4681

12.5369, 0.4284,
0.5387

80.8322, 0.3945,
0.4563

7.1104, 0.4335,
0.5665

105.4146, 0.3889,
0.4461

3.5313, 0.4189,
0.5811

134.5351, 0.3839,
0.4374

1.4150, 0.3935,
0.6065

168.5780, 0.3795,
0.4298

0.2277, 0.0000,
1.0000

207.9278, 0.3755,

0.0000, 0.0000,

0.4231

0.0000

252.9688, 0.3719,
0.4173

■ 30.4692, 0.4151,
0.4982

■ 30.4692, 0.4151,
0.4982

■ 30.4260, 0.4183,
0.5035

■ 30.5504, 0.4095,
0.4890

■ 30.4113, 0.4194,
0.5052

■ 30.6717, 0.4014,
0.4756

■ 30.8391, 0.3911,
0.4585

■ 31.0568, 0.3788,
0.4382

■ 31.3281, 0.3651,
0.4156

■ 31.6566, 0.3506,
0.3916

■ 32.0450, 0.3357,
0.3671

■ 32.4963, 0.3210,
0.3428

■ 33.0130, 0.3068,
0.3193

Harmonies

Analogous

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



30.4692, 0.4853, 0.4357



30.4692, 0.4151, 0.4982



30.4692, 0.3244, 0.5159

Triad

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



30.4692, 0.4151, 0.4982



30.4692, 0.1481, 0.2424



30.4692, 0.3756, 0.2406

Complementary

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



30.4692, 0.4151, 0.4982



3.1132, 0.1597, 0.0761

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.



30.4692, 0.2733, 0.2000



30.4692, 0.4151, 0.4982



30.4692, 0.1570, 0.1953

Square

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



30.4692, 0.4151, 0.4982



30.4692, 0.1730, 0.3337



30.4692, 0.1979, 0.1835



30.4692, 0.4700, 0.2987

Rectangle

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



30.4692, 0.4151, 0.4982



30.4692, 0.2633, 0.4805



30.4692, 0.1979, 0.1835



30.4692, 0.3401, 0.2247

Sweetspot

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



30.4706, 0.4151, 0.4982



56.6313, 0.3516, 0.3933



7.6119, 0.6025, 0.3281



12.7734, 0.3563, 0.4011



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



30.4706, 0.4151, 0.4982



54.4466, 0.4194, 0.5052



25.7185, 0.3456, 0.5501



7.2227, 0.3260, 0.3510



24.4192, 0.4194, 0.5052



0.3651, 0.4193, 0.5052

Inverse Universe

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



3.1132, 0.1597, 0.0761



4.2390, 0.1500, 0.0600



4.9343, 0.2168, 0.1062



6.0265, 0.2988, 0.3060



1.9014, 0.1500, 0.0600



0.0285, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 30.4692, 0.4151, 0.4982 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 30.4692, 0.4151, 0.4982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

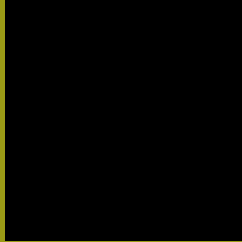
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4692, 0.4151, 0.4982

Background



This preview shows how black text looks on a background with the Yxy color 30.4692, 0.4151, 0.4982.



This preview shows how white text looks on a background with the Yxy color 30.4692, 0.4151, 0.4982.

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

30.4692, 0.4151, 0.4982

Protanopia

30.3019, 0.4362, 0.4824

Deuteranopia

30.2637, 0.4635, 0.4539



Tritanopia

30.3124, 0.3240, 0.3127

Trichromacy



Original Color

30.4692, 0.4151, 0.4982

Protanomaly

30.4031, 0.4285, 0.4884

Deuteranomaly

30.2984, 0.4461, 0.4697

Tritanomaly

29.8184, 0.3679, 0.3926

Monochromacy



Original Color

30.4692, 0.4151, 0.4982

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.1336, 0.3610, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4692, 0.4151, 0.4982 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(155, 155, 22)` looks like.

```
.text, #text, p{  
    color:rgb(155, 155, 22)  
}
```

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(155, 155, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 155, 22) }
```

Border

The CSS property to change the border of an element to Yxy 30.4692, 0.4151, 0.4982 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(155, 155, 22) }
```

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

```
.border{ border-color:rgb(155, 155, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 155, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 155, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 155, 22);  
box-shadow:4px 4px 4px 4px rgb(155, 155,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4692, 0.4151, 0.4982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 155, 22) }
```

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

```
.background{ background-color: rgb(155,  
155, 22) }
```

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