

Converting Colors

$Y_{xy}(30.2252, 0.4173, 0.4772)$

Have a look what the booklet for
Yxy(30.2252, 0.4173, 0.4772)
contains.

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Color

Yxy(30.2080, 0.4165, 0.4772)

Conversions

Conversions Part 1

Format	Color
Hex	A1982B
RGB	161, 152, 43
RGB Percent	63%, 60%, 17%
CMY	0.3686, 0.4039, 0.8313
CMYK	0.00, 0.06, 0.73, 0.37
HSL	55°, 58%, 40%
HSV	55°, 73%, 63%
XYZ	26.3655, 30.2080, 6.7291
YIQ	142.2650, 40.3530, -31.9910

Conversions

Conversions Part 2

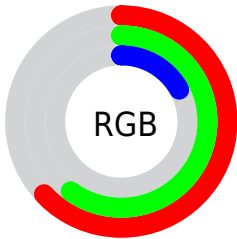
Format	Color
RYB	53, 161, 43
Decimal	10590251
CIELab	61.83, -9.40, 55.12
CIELCh	62, 55.918, 99.677
Yxy	30.2080, 0.4165, 0.4772
Android (android.graphics.Color)	4288780331 (0xFFA1982B)
YUV	142.2650, -48.9376, 16.4306
Hunter-Lab	54.9618, -10.5556, 31.2143

Details

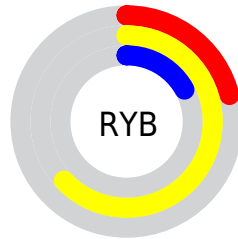
The Yxy color **30.2080, 0.4165, 0.4772** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.5486, 0.1784, 0.1143**, and the grayscale version is **27.3493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0472, 0.4006, 0.4505**, and **12.3715, 0.4273, 0.4989** is the 20% darker color. If you saturate the color by 10%, you get **29.7160, 0.4247, 0.4868**, and if you desaturate by 10%, it is **30.7536, 0.4058, 0.4635**.

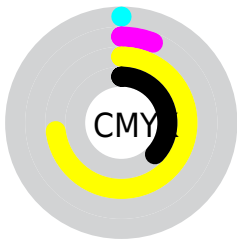
Distribution



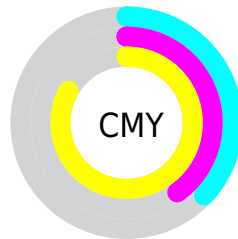
- Red (63%)
- Green (60%)
- Blue (17%)



- Red (21%)
- Yellow (63%)
- Blue (17%)



- Cyan (0%)
- Magenta (6%)
- Yellow (73%)
- Black (37%)




- Cyan (37%)
- Magenta (40%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2080, 0.4165, 0.4772 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 30.2080, 0.4165, 0.4772 by changing the saturation by 10% instead.


 30.2080, 0.4165,
0.4772


 30.2080, 0.4165,
0.4772


 302.8728, 0.3668,
0.4014


 19.9965, 0.4260,
0.4944


 59.9910, 0.4000,
0.4503


 12.3925, 0.4356,
0.5143


 80.3312, 0.3933,
0.4399


 7.0116, 0.4524,
0.5476


 104.8166, 0.3874,
0.4310

 3.4693, 0.4430,
0.5570

 133.8313, 0.3822,
0.4234

 1.3814, 0.4266,
0.5734

 167.7599, 0.3776,
0.4168

 0.2030, 0.0000,
1.0000

 206.9868, 0.3736,

 0.0000, 0.0000,

0.4110

0.0000

251.8963, 0.3700,
0.4059

■ 30.2080, 0.4165,
0.4772

■ 30.2080, 0.4165,
0.4772

■ 29.7160, 0.4247,
0.4868

■ 30.7536, 0.4058,
0.4635

■ 29.2675, 0.4303,
0.4921

■ 31.3536, 0.3930,
0.4463

■ 28.9816, 0.4332,
0.4942

■ 32.0136, 0.3787,
0.4262

■ 32.7374, 0.3634,
0.4044

■ 33.5287, 0.3478,
0.3816

■ 34.3906, 0.3324,
0.3586

■ 35.3262, 0.3174,
0.3362

■ 36.3383, 0.3033,
0.3147

■ 37.4296, 0.2901,
0.2944

Harmonies

Analogous

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



30.2080, 0.4745, 0.4217



30.2080, 0.4165, 0.4772



30.2080, 0.3358, 0.4952

Triad

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



30.2080, 0.4165, 0.4772



30.2080, 0.1640, 0.2605



30.2080, 0.3582, 0.2437

Complementary

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



30.2080, 0.4165, 0.4772



5.5486, 0.1784, 0.1143

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.



30.2080, 0.2684, 0.2085



30.2080, 0.4165, 0.4772



30.2080, 0.1683, 0.2117

Square

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



30.2080, 0.4165, 0.4772



30.2080, 0.1920, 0.3462



30.2080, 0.2029, 0.1965



30.2080, 0.4444, 0.2962

Rectangle

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



30.2080, 0.4165, 0.4772



30.2080, 0.2797, 0.4689



30.2080, 0.2029, 0.1965



30.2080, 0.3268, 0.2297

Sweetspot

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



30.2094, 0.4165, 0.4772



60.1598, 0.3465, 0.3796



9.5647, 0.5382, 0.3176



13.1128, 0.3504, 0.3854



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.



30.2094, 0.4165, 0.4772



52.6847, 0.4286, 0.4907



29.1064, 0.3556, 0.5215



8.1442, 0.3263, 0.3496



23.1673, 0.4331, 0.4943



0.5123, 0.4276, 0.4987

Inverse Universe

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



5.5486, 0.1784, 0.1143



6.2779, 0.1585, 0.0786



6.5890, 0.2226, 0.1250



6.9429, 0.2987, 0.3076



2.2971, 0.1518, 0.0663



0.0728, 0.1596, 0.0947

Previews

White Background



This preview shows how the Yxy color 30.2080, 0.4165, 0.4772 looks on a white background.

Color Contrast Check

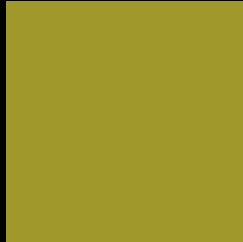
Large Text (above 18pt) WCAG AA × Fail

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 30.2080, 0.4165, 0.4772 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 30.2080, 0.4165, 0.4772

Background



This preview shows how black text looks on a background with the Yxy color 30.2080, 0.4165, 0.4772.



This preview shows how white text looks on a background with the Yxy color 30.2080, 0.4165, 0.4772.

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

30.2080, 0.4165, 0.4772

Protanopia

30.3047, 0.4268, 0.4708

Deuteranopia

30.1160, 0.4533, 0.4450



Tritanopia

30.1920, 0.3317, 0.3130

Trichromacy



Original Color

30.2080, 0.4165, 0.4772

Protanomaly

30.2997, 0.4224, 0.4740

Deuteranomaly

30.2200, 0.4398, 0.4563

Tritanomaly

29.9655, 0.3694, 0.3792

Monochromacy



Original Color

30.2080, 0.4165, 0.4772

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.9879, 0.3561, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2080, 0.4165, 0.4772 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(161, 152, 43)` looks like.

```
.text, #text, p{  
    color:rgb(161, 152, 43)  
}
```

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(161, 152, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 152, 43) }
```

Border

The CSS property to change the border of an element to Yxy 30.2080, 0.4165, 0.4772 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(161, 152, 43) }
```

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

```
.border{ border-color:rgb(161, 152, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 152, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 152, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 152, 43);  
box-shadow:4px 4px 4px 4px rgb(161, 152,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2080, 0.4165, 0.4772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 152, 43) }
```

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

```
.background{ background-color: rgb(161,  
152, 43) }
```

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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