

Converting Colors

$Y_{xy}(30.5296, 0.4224, 0.4256)$

Have a look what the booklet for
Yxy(30.5296, 0.4224, 0.4256)
contains.

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Color

Yxy(30.4621, 0.4219, 0.4253)

Conversions

Conversions Part 1

Format	Color
Hex	B4914B
RGB	180, 145, 75
RGB Percent	71%, 57%, 29%
CMY	0.2941, 0.4314, 0.7059
CMYK	0.00, 0.19, 0.58, 0.29
HSL	40°, 41%, 50%
HSV	40°, 58%, 71%
XYZ	30.2186, 30.4621, 10.9443
YIQ	147.4850, 43.3300, -14.3500

Conversions

Conversions Part 2

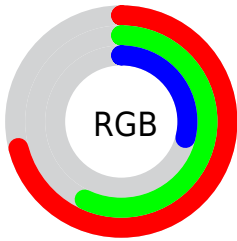
Format	Color
RYB	128, 180, 75
Decimal	11833675
CIELab	62.05, 4.83, 41.58
CIELCh	62, 41.860, 83.373
Yxy	30.4621, 0.4219, 0.4253
Android (android.graphics.Color)	4290023755 (0xFFB4914B)
YUV	147.4850, -35.7351, 28.5157
Hunter-Lab	55.1925, 1.1441, 26.8779

Details

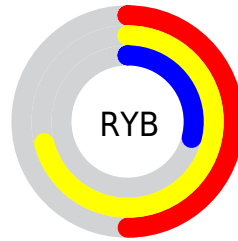
The Yxy color **30.4621, 0.4219, 0.4253** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **15.9446, 0.2142, 0.2043**, and the grayscale version is **29.5277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5303, 0.4010, 0.4082**, and **12.5441, 0.4518, 0.4501** is the 20% darker color. If you saturate the color by 10%, you get **28.4653, 0.4423, 0.4372**, and if you desaturate by 10%, it is **32.6285, 0.4010, 0.4106**.

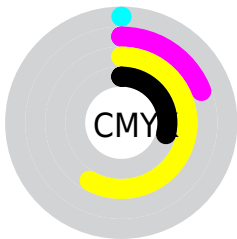
Distribution



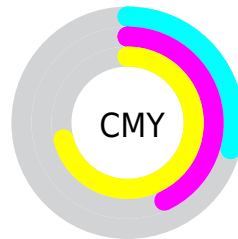
- Red (71%)
- Green (57%)
- Blue (29%)



- Red (50%)
- Yellow (71%)
- Blue (29%)



- Cyan (0%)
- Magenta (19%)
- Yellow (58%)
- Black (29%)




- Cyan (29%)
- Magenta (43%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4621, 0.4219, 0.4253 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 30.4621, 0.4219, 0.4253 by changing the saturation by 10% instead.


 30.4621, 0.4219,
0.4253


 30.4621, 0.4219,
0.4253


304.0525, 0.3654,
0.3768


 20.1896, 0.4357,
0.4364


 60.3922, 0.4014,
0.4081


 12.5329, 0.4526,
0.4496


 80.8186, 0.3936,
0.4015


 7.1077, 0.4731,
0.4644


 105.3984, 0.3870,
0.3958

 3.5296, 0.5091,
0.4909

 134.5160, 0.3814,
0.3909

 1.4141, 0.5167,
0.4833

 168.5558, 0.3766,
0.3867

 0.2270, 0.5951,
0.4049

207.9023, 0.3724,

 0.0000, 0.0000,

0.3830

0.0000

252.9397, 0.3687,
0.3797

■ 30.4621, 0.4219,
0.4253

■ 30.4621, 0.4219,
0.4253

■ 28.4653, 0.4423,
0.4372

■ 32.6285, 0.4010,
0.4106

■ 26.6260, 0.4611,
0.4452

■ 34.9668, 0.3804,
0.3941

■ 24.9372, 0.4774,
0.4484

■ 37.4847, 0.3607,
0.3768

■ 23.3855, 0.4909,
0.4471

■ 40.1881, 0.3423,
0.3594

■ 23.1368, 0.4931,
0.4467

■ 43.0824, 0.3255,
0.3425

■ 46.1727, 0.3103,
0.3264

■ 49.4640, 0.2966,
0.3112

■ 52.9610, 0.2844,
0.2972

■ 56.6682, 0.2735,
0.2842

Harmonies

Analogous

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



30.4621, 0.4466, 0.3790



30.4621, 0.4219, 0.4253



30.4621, 0.3689, 0.4517

Triad

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



30.4621, 0.4219, 0.4253



30.4621, 0.2062, 0.3121



30.4621, 0.3100, 0.2452

Complementary

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



30.4621, 0.4219, 0.4253



15.9446, 0.2142, 0.2043

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.



30.4621, 0.2490, 0.2267



30.4621, 0.4219, 0.4253



30.4621, 0.1944, 0.2578

Square

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



30.4621, 0.4219, 0.4253



30.4621, 0.2446, 0.3823



30.4621, 0.2091, 0.2298



30.4621, 0.3789, 0.2810

Rectangle

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



30.4621, 0.4219, 0.4253



30.4621, 0.3258, 0.4481



30.4621, 0.2091, 0.2298



30.4621, 0.2879, 0.2368

Sweetspot

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



30.4636, 0.4219, 0.4253



73.3960, 0.3405, 0.3576



15.9010, 0.4240, 0.2780



15.6479, 0.3440, 0.3610



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



30.4636, 0.4219, 0.4253



50.6265, 0.4479, 0.4399



41.0716, 0.3793, 0.4728



9.4198, 0.3271, 0.3441



16.2747, 0.4920, 0.4476



0.6140, 0.4671, 0.4673

Inverse Universe

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



15.9446, 0.2142, 0.2043



21.9894, 0.1940, 0.1717



10.5400, 0.2149, 0.1506



8.6777, 0.2985, 0.3134



4.6677, 0.1640, 0.1104



0.2569, 0.1805, 0.1697

Previews

White Background



This preview shows how the Yxy color 30.4621, 0.4219, 0.4253 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 30.4621, 0.4219, 0.4253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

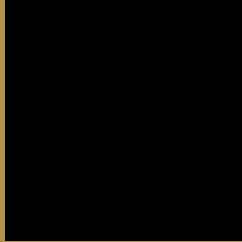
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4621, 0.4219, 0.4253

Background



This preview shows how black text looks on a background with the Yxy color 30.4621, 0.4219, 0.4253.



This preview shows how white text looks on a background with the Yxy color 30.4621, 0.4219, 0.4253.

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

30.4621, 0.4219, 0.4253

Protanopia

30.4555, 0.4004, 0.4360

Deuteranopia

30.4672, 0.4292, 0.4204



Tritanopia

30.4370, 0.3569, 0.3152

Trichromacy



Original Color

30.4621, 0.4219, 0.4253

Protanomaly

30.3595, 0.4085, 0.4323

Deuteranomaly

30.5218, 0.4261, 0.4226

Tritanomaly

30.3270, 0.3828, 0.3562

Monochromacy



Original Color

30.4621, 0.4219, 0.4253

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.3092, 0.3521, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4621, 0.4219, 0.4253 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(180, 145, 75)` looks like.

```
.text, #text, p{  
    color:rgb(180, 145, 75)  
}
```

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(180, 145, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 145, 75) }
```

Border

The CSS property to change the border of an element to Yxy 30.4621, 0.4219, 0.4253 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(180, 145, 75) }
```

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

```
.border{ border-color:rgb(180, 145, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 145, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 145, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 145, 75);  
box-shadow:4px 4px 4px 4px rgb(180, 145,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4621, 0.4219, 0.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 145, 75) }
```

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

```
.background{ background-color: rgb(180,  
145, 75) }
```

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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