

Converting Colors

$Y_{xy}(32.1399, 0.4546, 0.4679)$

Have a look what the booklet for
Yxy(32.1399, 0.4546, 0.4679)
contains.

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Color

Yxy(31.9919, 0.4551, 0.4675)

Conversions

Conversions Part 1

Format	Color
Hex	BA9516
RGB	186, 149, 22
RGB Percent	73%, 58%, 9%
CMY	0.2706, 0.4157, 0.9134
CMYK	0.00, 0.20, 0.88, 0.27
HSL	46°, 79%, 41%
HSV	46°, 88%, 73%
XYZ	31.1433, 31.9919, 5.2966
YIQ	145.5850, 62.8190, -31.6530

Conversions

Conversions Part 2

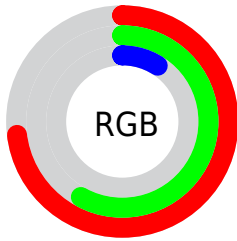
Format	Color
RYB	70, 186, 22
Decimal	12227862
CIELab	63.34, 2.74, 63.78
CIELCh	63, 63.836, 87.543
Yxy	31.9919, 0.4551, 0.4675
Android (android.graphics.Color)	4290417942 (0xFFBA9516)
YUV	145.5850, -60.9274, 35.4440
Hunter-Lab	56.5614, -0.6983, 34.0408

Details

The Yxy color **31.9919, 0.4551, 0.4675** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **6.8537, 0.1660, 0.1057**, and the grayscale version is **28.8053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9139, 0.4327, 0.4471**, and **13.5129, 0.4643, 0.4695** is the 20% darker color. If you saturate the color by 10%, you get **30.6381, 0.4642, 0.4684**, and if you desaturate by 10%, it is **33.4458, 0.4433, 0.4623**.

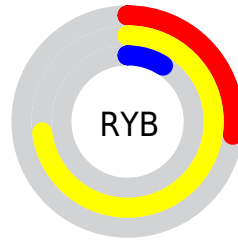
Distribution



Red (73%)

Green (58%)

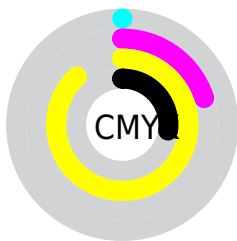
Blue (9%)



Red (27%)

Yellow (73%)

Blue (9%)

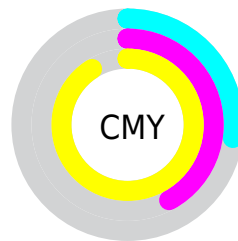


Cyan (0%)

Magenta (20%)

Yellow (88%)

Black (27%)



Cyan (27%)


Magenta (42%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9919, 0.4551, 0.4675 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 31.9919, 0.4551, 0.4675 by changing the saturation by 10% instead.


 31.9919, 0.4551,
0.4675


 31.9919, 0.4551,
0.4675


311.0824, 0.3874,
0.4031


 21.3553, 0.4680,
0.4791


 62.7984, 0.4329,
0.4468

 13.3840, 0.4814,
0.4906


 83.7371, 0.4237,
0.4381

 7.6935, 0.4969,
0.5031


 108.8786, 0.4156,
0.4304

 3.8994, 0.4993,
0.5007

 138.6073, 0.4086,
0.4236

 1.6175, 0.5034,
0.4966

 173.3077, 0.4023,
0.4175

 0.3693, 0.5308,
0.4692

 213.3640, 0.3968,

 0.0000, 0.0000,

0.4122

0.0000

259.1608, 0.3918,
0.4074

■ 31.9919, 0.4551,
0.4675

■ 31.9919, 0.4551,
0.4675

■ 30.6381, 0.4642,
0.4684

■ 33.4458, 0.4433,
0.4623

■ 30.3913, 0.4658,
0.4683

■ 35.0077, 0.4288,
0.4525

■ 36.6874, 0.4123,
0.4388

■ 38.4918, 0.3946,
0.4221

■ 40.4272, 0.3764,
0.4034

■ 42.4993, 0.3585,
0.3837

■ 44.7134, 0.3412,
0.3638

■ 47.0743, 0.3250,
0.3443

■ 49.5867, 0.3100,
0.3256

Harmonies

Analogous

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



31.9919, 0.5046, 0.3987



31.9919, 0.4551, 0.4675



31.9919, 0.3729, 0.5143

Triad

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



31.9919, 0.4551, 0.4675



31.9919, 0.1574, 0.2850



31.9919, 0.3202, 0.2172

Complementary

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



31.9919, 0.4551, 0.4675



6.8537, 0.1660, 0.1057

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.



31.9919, 0.2301, 0.1888



31.9919, 0.4551, 0.4675



31.9919, 0.1492, 0.2155

Square

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



31.9919, 0.4551, 0.4675



31.9919, 0.2017, 0.3943



31.9919, 0.1731, 0.1866



31.9919, 0.4241, 0.2672

Rectangle

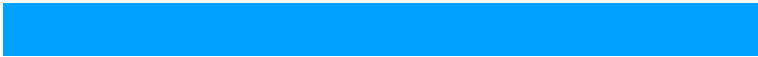
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.9919, 0.4551, 0.4675



31.9919, 0.3110, 0.5104



31.9919, 0.1731, 0.1866



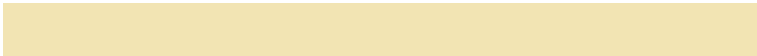
31.9919, 0.2871, 0.2051

Sweetspot

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



31.9935, 0.4551, 0.4675



77.6916, 0.3555, 0.3803



11.3464, 0.5608, 0.2978



16.8115, 0.3617, 0.3873



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



31.9935, 0.4551, 0.4675



54.7032, 0.4667, 0.4676



40.9543, 0.3754, 0.5318



10.1502, 0.3269, 0.3466



20.5616, 0.4651, 0.4689



0.8107, 0.4511, 0.4800

Inverse Universe

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



6.8537, 0.1660, 0.1057



9.1282, 0.1561, 0.0818



5.2736, 0.1792, 0.0830



9.0396, 0.2985, 0.3108



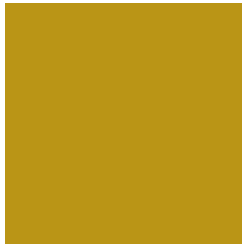
3.5938, 0.1573, 0.0861



0.2215, 0.1711, 0.1359

Previews

White Background



This preview shows how the Yxy color 31.9919, 0.4551, 0.4675 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 31.9919, 0.4551, 0.4675 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 31.9919, 0.4551, 0.4675

Background



This preview shows how black text looks on a background with the Yxy color 31.9919, 0.4551, 0.4675.



This preview shows how white text looks on a background with the Yxy color 31.9919, 0.4551, 0.4675.

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

31.9919, 0.4551, 0.4675

Protanopia

32.0614, 0.4351, 0.4818

Deuteranopia

32.0973, 0.4659, 0.4573



Tritanopia

32.1045, 0.3629, 0.3157

Trichromacy



Original Color

31.9919, 0.4551, 0.4675

Protanomaly

31.9833, 0.4430, 0.4763

Deuteranomaly

32.0098, 0.4620, 0.4609

Tritanomaly

31.7006, 0.4085, 0.3837

Monochromacy



Original Color

31.9919, 0.4551, 0.4675

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.3841, 0.3744, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9919, 0.4551, 0.4675 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(186, 149, 22)` looks like.

```
.text, #text, p{  
    color:rgb(186, 149, 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(186, 149, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 149, 22) }
```

Border

The CSS property to change the border of an element to Yxy 31.9919, 0.4551, 0.4675 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(186, 149, 22) }
```

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

```
.border{ border-color:rgb(186, 149, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 149, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 149, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 149, 22);  
box-shadow:4px 4px 4px 4px rgb(186, 149,  
22) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.9919, 0.4551, 0.4675$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 149, 22) }
```

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

```
.background{ background-color: rgb(186,  
149, 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](#).

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