

Converting Colors

$Y_{xy}(17.9512, 0.5132, 0.4284)$

Have a look what the booklet for
Yxy(17.9512, 0.5132, 0.4284)
contains.

Yxy(17.9741, 0.5125, 0.4290)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.9741, 0.5125, 0.4290)

Conversions

Conversions Part 1

Format	Color
Hex	AB6504
RGB	171, 101, 4
RGB Percent	67%, 40%, 2%
CMY	0.3294, 0.6039, 0.9845
CMYK	0.00, 0.41, 0.98, 0.33
HSL	35°, 95%, 34%
HSV	35°, 98%, 67%
XYZ	21.4726, 17.9741, 2.4510
YIQ	110.8720, 72.8570, -15.3270

Conversions

Conversions Part 2

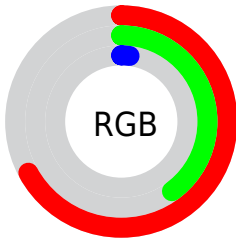
Format	Color
RYB	125, 171, 4
Decimal	11232516
CIELab	49.46, 22.35, 56.40
CIElCh	49, 60.665, 68.386
Yxy	17.9741, 0.5125, 0.4290
Android (android.graphics.Color)	4289422596 (0xFFAB6504)
YUV	110.8720, -52.6879, 52.7323
Hunter-Lab	42.3959, 16.2135, 26.2494

Details

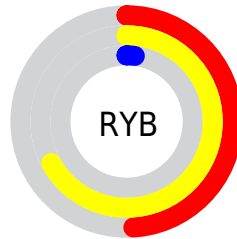
The Yxy color **17.9741, 0.5125, 0.4290** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8603, 0.1720, 0.1373**, and the grayscale version is **15.9963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9824, 0.4753, 0.4183**, and **6.1490, 0.5406, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **17.6478, 0.5165, 0.4281**, and if you desaturate by 10%, it is **19.4738, 0.4950, 0.4320**.

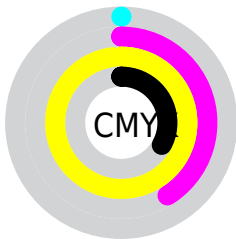
Distribution



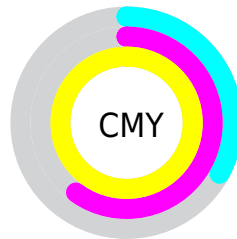
- Red (67%)
- Green (40%)
- Blue (2%)



- Red (49%)
- Yellow (67%)
- Blue (2%)



- Cyan (0%)
- Magenta (41%)
- Yellow (98%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9741, 0.5125, 0.4290 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 17.9741, 0.5125, 0.4290 by changing the saturation by 10% instead.


 17.9741, 0.5125,
0.4290


 17.9741, 0.5125,
0.4290

240.7250, 0.4057,
0.3869


 10.9314, 0.5363,
0.4316


 39.9932, 0.4745,
0.4184


 6.0207, 0.5679,
0.4321

 55.7384, 0.4597,
0.4127

 2.8577, 0.5887,
0.4113

 75.1531, 0.4471,
0.4073

 1.0579, 0.6237,
0.3763

 98.6219, 0.4363,
0.4024


 0.0000, 1.0000,
0.0000


 126.5291, 0.4270,
0.3979


 0.0000, 0.0000,
0.0000


 159.2591, 0.4190,


0.3939


 197.1963, 0.4119,
0.3902


 17.9741, 0.5125,
0.4290


 17.9741, 0.5125,
0.4290


 17.6478, 0.5165,
0.4281

 19.4738, 0.4950,
0.4320

 21.1379, 0.4744,
0.4300

 22.9800, 0.4516,
0.4233

 25.0091, 0.4278,
0.4128

 27.2331, 0.4042,
0.3997

■ 29.6592, 0.3817,
0.3851

■ 32.2944, 0.3608,
0.3698

■ 35.1448, 0.3417,
0.3546

■ 38.2166, 0.3246,
0.3398

Harmonies

Analogous

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



17.9741, 0.5343, 0.3523



17.9741, 0.5125, 0.4290



17.9741, 0.4372, 0.5062

Triad

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



17.9741, 0.5125, 0.4290



17.9741, 0.1639, 0.3534



17.9741, 0.2512, 0.1815

Complementary

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



17.9741, 0.5125, 0.4290



7.8603, 0.1720, 0.1373

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.



17.9741, 0.1751, 0.1679



17.9741, 0.5125, 0.4290



17.9741, 0.1323, 0.2421

Square

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



17.9741, 0.5125, 0.4290



17.9741, 0.2377, 0.4881



17.9741, 0.1371, 0.1847



17.9741, 0.3637, 0.2215

Rectangle

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



17.9741, 0.5125, 0.4290



17.9741, 0.3723, 0.5413



17.9741, 0.1371, 0.1847



17.9741, 0.2213, 0.1739

Sweetspot

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



17.9750, 0.5125, 0.4290



56.9367, 0.3645, 0.3726



9.2721, 0.5164, 0.2637



12.2566, 0.3731, 0.3789



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



17.9750, 0.5125, 0.4290



31.1718, 0.5186, 0.4264



36.6013, 0.4075, 0.5133



8.7590, 0.3272, 0.3422



13.4071, 0.5153, 0.4291



0.4780, 0.4792, 0.4577

Inverse Universe

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



7.8603, 0.1720, 0.1373



13.0914, 0.1694, 0.1299



3.1290, 0.1535, 0.0633



8.2882, 0.2986, 0.3155



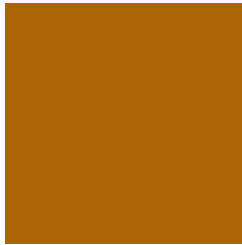
5.7778, 0.1708, 0.1348



0.2705, 0.1880, 0.1966

Previews

White Background



This preview shows how the Yxy color 17.9741, 0.5125, 0.4290 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 17.9741, 0.5125, 0.4290 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 × Fail

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

Yxy 17.9741, 0.5125, 0.4290

Background



This preview shows how black text looks on a background with the Yxy color 17.9741, 0.5125, 0.4290.



This preview shows how white text looks on a background with the Yxy color 17.9741, 0.5125, 0.4290.

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

17.9741, 0.5125, 0.4290

Protanopia

18.2119, 0.4345, 0.4840

Deuteranopia

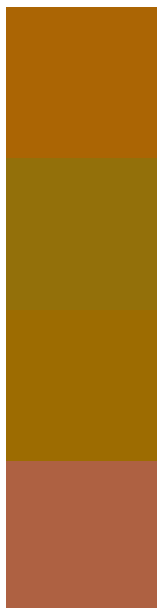
17.9779, 0.4703, 0.4648



Tritanopia

18.0590, 0.4244, 0.3189

Trichromacy



Original Color

17.9741, 0.5125, 0.4290

Protanomaly

17.8133, 0.4647, 0.4629

Deuteranomaly

17.8954, 0.4863, 0.4515

Tritanomaly

17.9414, 0.4725, 0.3732

Monochromacy



Original Color

17.9741, 0.5125, 0.4290

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9698, 0.3982, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9741, 0.5125, 0.4290 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(171, 101, 4)` looks like.

```
.text, #text, p{  
    color:rgb(171, 101, 4)  
}
```

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(171, 101, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 101, 4) }
```

Border

The CSS property to change the border of an element to Yxy 17.9741, 0.5125, 0.4290 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(171, 101, 4) }
```

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

```
.border{ border-color:rgb(171, 101, 4) }
```

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

Here you see how a box with a 4 pixel rgb(171, 101, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 101, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 101, 4);  
box-shadow:4px 4px 4px 4px rgb(171, 101,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9741, 0.5125, 0.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 101, 4) }
```

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

```
.background{ background-color: rgb(171,  
101, 4) }
```

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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