

Converting Colors

$Y_{xy}(20.5736, 0.4850, 0.4509)$

Have a look what the booklet for
Yxy(20.5736, 0.4850, 0.4509)
contains.

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Color

$\text{Yxy}(20.4857, 0.4857, 0.4504)$

Conversions

Conversions Part 1

Format	Color
Hex	A77304
RGB	167, 115, 4
RGB Percent	65%, 45%, 2%
CMY	0.3451, 0.5490, 0.9841
CMYK	0.00, 0.31, 0.98, 0.35
HSL	41°, 95%, 34%
HSV	41°, 98%, 65%
XYZ	22.0913, 20.4857, 2.9064
YIQ	117.8940, 66.6230, -23.4970

Conversions

Conversions Part 2

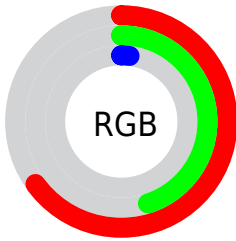
Format	Color
RYB	80, 167, 4
Decimal	10973956
CIELab	52.38, 12.67, 58.13
CIELCh	52, 59.493, 77.705
Yxy	20.4857, 0.4857, 0.4504
Android (android.graphics.Color)	4289164036 (0xFFA77304)
YUV	117.8940, -56.1497, 43.0660
Hunter-Lab	45.2611, 7.9161, 27.8756

Details

The Yxy color **20.4857, 0.4857, 0.4504** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.6530, 0.1646, 0.1102**, and the grayscale version is **18.2484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3736, 0.4546, 0.4337**, and **7.3293, 0.5041, 0.4379** is the 20% darker color. If you saturate the color by 10%, you get **20.1838, 0.4888, 0.4501**, and if you desaturate by 10%, it is **21.7824, 0.4725, 0.4509**.

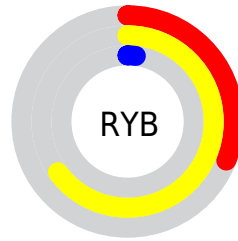
Distribution



Red (65%)

Green (45%)

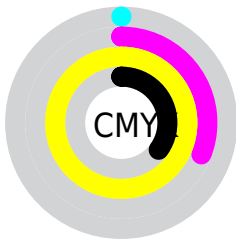
Blue (2%)



Red (31%)

Yellow (65%)

Blue (2%)

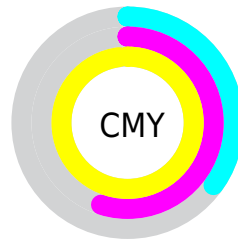


Cyan (0%)

Magenta (31%)

Yellow (98%)

Black (35%)



Cyan (35%)


Magenta (55%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4857, 0.4857, 0.4504 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 20.4857, 0.4857, 0.4504 by changing the saturation by 10% instead.


 20.4857, 0.4857,
0.4504


 20.4857, 0.4857,
0.4504

254.5325, 0.3961,
0.3944


 12.7486, 0.5044,
0.4580

 44.2300, 0.4546,
0.4336


 7.2557, 0.5315,
0.4685


 61.0060, 0.4423,
0.4260


 3.6225, 0.5425,
0.4575

 81.5637, 0.4317,
0.4191


 1.4647, 0.5609,
0.4391

 106.2876, 0.4225,
0.4130

 0.2637, 0.6798,
0.3202


 135.5620, 0.4146,
0.4075

 0.0000, 0.0000,
0.0000


 169.7714, 0.4076,


0.4027


 209.3001, 0.4015,
0.3983


 20.4857, 0.4857,
0.4504


 20.4857, 0.4857,
0.4504


 20.1838, 0.4888,
0.4501

 21.7824, 0.4725,
0.4509

 23.1884, 0.4566,
0.4468

 24.7152, 0.4382,
0.4381

 26.3696, 0.4184,
0.4256

 28.1576, 0.3980,
0.4105

■ 30.0848, 0.3779,
0.3937

■ 32.1561, 0.3587,
0.3761

■ 34.3763, 0.3407,
0.3585

■ 36.7496, 0.3242,
0.3414

Harmonies

Analogous

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



20.4857, 0.5234, 0.3758



20.4857, 0.4857, 0.4504



20.4857, 0.4055, 0.5159

Triad

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



20.4857, 0.4857, 0.4504



20.4857, 0.1579, 0.3153



20.4857, 0.2851, 0.1976

Complementary

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



20.4857, 0.4857, 0.4504



5.6530, 0.1646, 0.1102

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.



20.4857, 0.2004, 0.1763



20.4857, 0.4857, 0.4504



20.4857, 0.1384, 0.2256

Square

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



20.4857, 0.4857, 0.4504



20.4857, 0.2170, 0.4413



20.4857, 0.1527, 0.1833



20.4857, 0.3968, 0.2433

Rectangle

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



20.4857, 0.4857, 0.4504



20.4857, 0.3412, 0.5330



20.4857, 0.1527, 0.1833



20.4857, 0.2528, 0.1876

Sweetspot

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



20.4867, 0.4857, 0.4504



56.8326, 0.3624, 0.3796



8.6145, 0.5548, 0.2852



12.3744, 0.3703, 0.3868



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.4867, 0.4857, 0.4504



35.7556, 0.4904, 0.4489



33.2137, 0.3905, 0.5266



8.3639, 0.3270, 0.3443



15.5335, 0.4880, 0.4507



0.4640, 0.4605, 0.4725

Inverse Universe

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



5.6530, 0.1646, 0.1102



9.2763, 0.1619, 0.1026



3.1736, 0.1597, 0.0668



7.6769, 0.2986, 0.3132



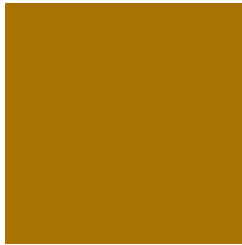
4.1849, 0.1632, 0.1073



0.1933, 0.1821, 0.1755

Previews

White Background



This preview shows how the Yxy color 20.4857, 0.4857, 0.4504 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4857, 0.4857, 0.4504 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 20.4857, 0.4857, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 20.4857, 0.4857, 0.4504.



This preview shows how white text looks on a background with the Yxy color 20.4857, 0.4857, 0.4504.

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

20.4857, 0.4857, 0.4504

Protanopia

20.6086, 0.4361, 0.4857

Deuteranopia

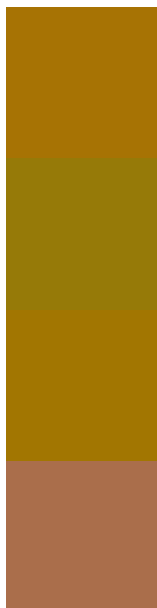
20.5646, 0.4714, 0.4639



Tritanopia

20.5239, 0.3918, 0.3171

Trichromacy



Original Color

20.4857, 0.4857, 0.4504

Protanomaly

20.4206, 0.4539, 0.4733

Deuteranomaly

20.6404, 0.4762, 0.4596

Tritanomaly

20.2059, 0.4424, 0.3816

Monochromacy



Original Color

20.4857, 0.4857, 0.4504

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.4926, 0.3882, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4857, 0.4857, 0.4504 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(167, 115, 4)` looks like.

```
.text, #text, p{  
    color:rgb(167, 115, 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(167, 115, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 115, 4) }
```

Border

The CSS property to change the border of an element to Yxy 20.4857, 0.4857, 0.4504 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(167, 115, 4) }
```

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

```
.border{ border-color:rgb(167, 115, 4) }
```

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

Here you see how a box with a 4 pixel rgb(167, 115, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 115, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 115, 4);  
box-shadow:4px 4px 4px 4px rgb(167, 115,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4857, 0.4857, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 115, 4) }
```

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

```
.background{ background-color: rgb(167,  
115, 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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