

Converting Colors

$Y_{xy}(19.7303, 0.4660, 0.4298)$

Have a look what the booklet for
Yxy(19.7303, 0.4660, 0.4298)
contains.

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Color

Yxy(19.7569, 0.4659, 0.4300)

Conversions

Conversions Part 1

Format	Color
Hex	A37129
RGB	163, 113, 41
RGB Percent	64%, 44%, 16%
CMY	0.3609, 0.5568, 0.8392
CMYK	0.00, 0.31, 0.75, 0.36
HSL	35°, 60%, 40%
HSV	35°, 75%, 64%
XYZ	21.4064, 19.7569, 4.7830
YIQ	119.7420, 52.9120, -11.7920

Conversions

Conversions Part 2

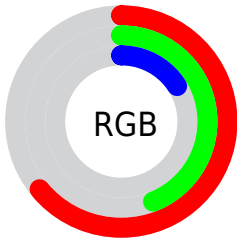
Format	Color
R_YB	126, 163, 41
Decimal	10711337
CIE Lab	51.56, 13.00, 45.92
CIE LCh	52, 47.720, 74.196
Yxy	19.7569, 0.4659, 0.4300
Android (android.graphics.Color)	4288901417 (0xFFA37129)
YUV	119.7420, -38.8198, 37.9373
Hunter-Lab	44.4487, 8.1798, 24.7341

Details

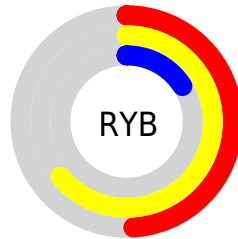
The Yxy color **19.7569, 0.4659, 0.4300** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.5912, 0.1944, 0.1828**, and the grayscale version is **18.8098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0378, 0.4342, 0.4137**, and **6.9064, 0.5042, 0.4378** is the 20% darker color. If you saturate the color by 10%, you get **18.2312, 0.4868, 0.4337**, and if you desaturate by 10%, it is **21.4413, 0.4432, 0.4218**.

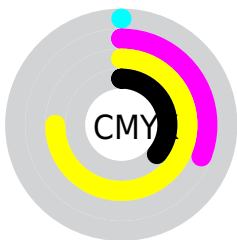
Distribution



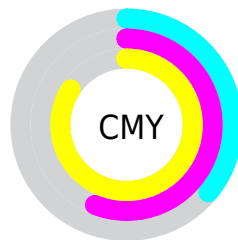
- Red (64%)
- Green (44%)
- Blue (16%)



- Red (49%)
- Yellow (64%)
- Blue (16%)



- Cyan (0%)
- Magenta (31%)
- Yellow (75%)
- Black (36%)





- Cyan (36%)
- Magenta (56%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7569, 0.4659, 0.4300 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 19.7569, 0.4659, 0.4300 by changing the saturation by 10% instead.


 19.7569, 0.4659,
0.4300

 19.7569, 0.4659,
0.4300


250.5960, 0.3824,
0.3801


 12.2185, 0.4866,
0.4392


 43.0092, 0.4349,
0.4134


 6.8926, 0.5127,
0.4486


 59.4919, 0.4234,
0.4065

 3.3950, 0.5451,
0.4549

 79.7248, 0.4137,
0.4006

 1.3413, 0.5648,
0.4352

 104.0923, 0.4054,
0.3954

 0.1728, 0.7359,
0.2641

 132.9787, 0.3984,
0.3908

 0.0000, 0.0000,
0.0000

 166.7686, 0.3923,

0.3868

205.8462, 0.3871,
0.3833

■ 19.7569, 0.4659,
0.4300

■ 19.7569, 0.4659,
0.4300

■ 18.2312, 0.4868,
0.4337

■ 21.4413, 0.4432,
0.4218

■ 16.8525, 0.5046,
0.4323

■ 23.2888, 0.4198,
0.4103

■ 16.1901, 0.5134,
0.4306

■ 25.3073, 0.3968,
0.3964

■ 27.5027, 0.3750,
0.3813

■ 29.8810, 0.3549,
0.3658

■ 32.4474, 0.3365,
0.3506

■ 35.2072, 0.3200,
0.3358

■ 38.1651, 0.3054,
0.3219

■ 41.3258, 0.2924,
0.3090

Harmonies

Analogous

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



19.7569, 0.4870, 0.3672



19.7569, 0.4659, 0.4300



19.7569, 0.4043, 0.4810

Triad

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



19.7569, 0.4659, 0.4300



19.7569, 0.1875, 0.3315



19.7569, 0.2814, 0.2140

Complementary

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



19.7569, 0.4659, 0.4300



10.5912, 0.1944, 0.1828

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.



19.7569, 0.2123, 0.1984



19.7569, 0.4659, 0.4300



19.7569, 0.1647, 0.2521

Square

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



19.7569, 0.4659, 0.4300



19.7569, 0.2436, 0.4289



19.7569, 0.1734, 0.2092



19.7569, 0.3714, 0.2519

Rectangle

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



19.7569, 0.4659, 0.4300



19.7569, 0.3511, 0.4936



19.7569, 0.1734, 0.2092



19.7569, 0.2552, 0.2061

Sweetspot

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



19.7579, 0.4659, 0.4300



54.6181, 0.3502, 0.3621



10.1399, 0.4561, 0.2596



12.0102, 0.3551, 0.3660



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



19.7579, 0.4659, 0.4300



30.9464, 0.4993, 0.4333



33.1009, 0.3982, 0.4957



7.7483, 0.3271, 0.3423



12.6773, 0.5123, 0.4315



0.3560, 0.4709, 0.4643

Inverse Universe

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



10.5912, 0.1944, 0.1828



13.8569, 0.1763, 0.1469



4.9377, 0.1797, 0.1011



7.3142, 0.2987, 0.3154



5.2386, 0.1701, 0.1324



0.2019, 0.1903, 0.2052

Previews

White Background



This preview shows how the Yxy color 19.7569, 0.4659, 0.4300 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 19.7569, 0.4659, 0.4300 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 19.7569, 0.4659, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 19.7569, 0.4659, 0.4300.



This preview shows how white text looks on a background with the Yxy color 19.7569, 0.4659, 0.4300.

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

19.7569, 0.4659, 0.4300

Protanopia

20.0004, 0.4178, 0.4605

Deuteranopia

19.7458, 0.4502, 0.4430



Tritanopia

19.7385, 0.3871, 0.3167

Trichromacy



Original Color

19.7569, 0.4659, 0.4300

Protanomaly

19.8104, 0.4351, 0.4493

Deuteranomaly

19.8121, 0.4553, 0.4393

Tritanomaly

19.7324, 0.4223, 0.3636

Monochromacy



Original Color

19.7569, 0.4659, 0.4300

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7122, 0.3706, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7569, 0.4659, 0.4300 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(163, 113, 41)` looks like.

```
.text, #text, p{  
    color:rgb(163, 113, 41)  
}
```

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(163, 113, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 113, 41) }
```

Border

The CSS property to change the border of an element to Yxy 19.7569, 0.4659, 0.4300 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(163, 113, 41) }
```

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

```
.border{ border-color:rgb(163, 113, 41) }
```

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

Here you see how a box with a 4 pixel rgb(163, 113, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 113, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 113, 41);  
box-shadow:4px 4px 4px 4px rgb(163, 113,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7569, 0.4659, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 113, 41) }
```

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

```
.background{ background-color: rgb(163,  
113, 41) }
```

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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