

Converting Colors

$Y_{xy}(21.2402, 0.4670, 0.4674)$

Have a look what the booklet for
Yxy(21.2402, 0.4670, 0.4674)
contains.

Yxy(21.2900, 0.4668, 0.4675)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2900, 0.4668, 0.4675)

Conversions

Conversions Part 1

Format	Color
Hex	9F7A00
RGB	159, 122, 0
RGB Percent	62%, 48%, 0%
CMY	0.3765, 0.5216, 0.9996
CMYK	0.00, 0.23, 1.00, 0.38
HSL	46°, 100%, 31%
HSV	46°, 100%, 62%
XYZ	21.2581, 21.2900, 2.9920
YIQ	119.1550, 61.2140, -30.0980

Conversions

Conversions Part 2

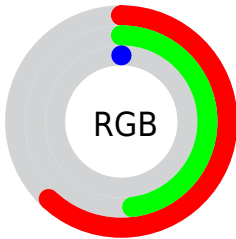
Format	Color
R_{YB}	48, 159, 0
Decimal	10451456
CIE _{Lab}	53.27, 4.95, 59.07
CIE _{LCh}	53, 59.277, 85.213
Yxy	21.2900, 0.4668, 0.4675
Android (android.graphics.Color)	4288641536 (0xFF9F7A00)
YUV	119.1550, -58.7434, 34.9441
Hunter-Lab	46.1411, 1.4916, 28.4541

Details

The Yxy color **21.2900, 0.4668, 0.4675** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.8339, 0.1576, 0.0873**, and the grayscale version is **18.6795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5709, 0.4407, 0.4460**, and **7.7811, 0.4758, 0.4604** is the 20% darker color. If you saturate the color by 10%, you get **21.2843, 0.4669, 0.4675**, and if you desaturate by 10%, it is **22.2549, 0.4573, 0.4665**.

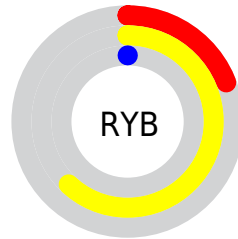
Distribution



Red (62%)

Green (48%)

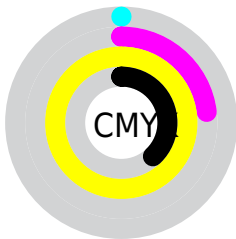
Blue (0%)



Red (19%)

Yellow (62%)

Blue (0%)

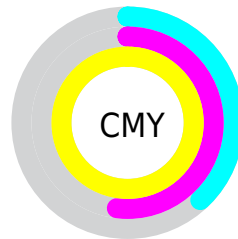


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2900, 0.4668, 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 21.2900, 0.4668, 0.4675 by changing the saturation by 10% instead.


 21.2900, 0.4668,
0.4675


 21.2900, 0.4668,
0.4675


258.8157, 0.3888,
0.4004

 13.3361, 0.4820,
0.4788


 45.5697, 0.4404,
0.4460

 7.6604, 0.5046,
0.4954


 62.6643, 0.4297,
0.4368


 3.8784, 0.5089,
0.4911

 83.5746, 0.4204,
0.4286

 1.6058, 0.5161,
0.4839

 108.6850, 0.4123,
0.4215

 0.3615, 0.5623,
0.4377

 138.3800, 0.4053,
0.4152


 0.0000, 0.0000,
0.0000


 173.0438, 0.3991,


0.4097


 213.0609, 0.3937,
0.4048


 21.2900, 0.4668,
0.4675


 21.2900, 0.4668,
0.4675


 21.2843, 0.4669,
0.4675

 22.2549, 0.4573,
0.4665

 23.2829, 0.4455,
0.4618

 24.3880, 0.4312,
0.4527

 25.5759, 0.4148,
0.4396

 26.8514, 0.3972,
0.4235

■ 28.2188, 0.3791,
0.4053

■ 29.6822, 0.3612,
0.3861

■ 31.2452, 0.3440,
0.3666

■ 32.9112, 0.3277,
0.3474

Harmonies

Analogous

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



21.2900, 0.5168, 0.3941



21.2900, 0.4668, 0.4675



21.2900, 0.3815, 0.5232

Triad

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



21.2900, 0.4668, 0.4675



21.2900, 0.1516, 0.2890



21.2900, 0.3118, 0.2085

Complementary

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



21.2900, 0.4668, 0.4675



3.8339, 0.1576, 0.0873

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.



21.2900, 0.2194, 0.1810



21.2900, 0.4668, 0.4675



21.2900, 0.1410, 0.2128

Square

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



21.2900, 0.4668, 0.4675



21.2900, 0.2003, 0.4082



21.2900, 0.1632, 0.1805



21.2900, 0.4228, 0.2588

Rectangle

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



21.2900, 0.4668, 0.4675



21.2900, 0.3168, 0.5257



21.2900, 0.1632, 0.1805



21.2900, 0.2774, 0.1965

Sweetspot

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



21.2911, 0.4668, 0.4675



52.9849, 0.3623, 0.3874



7.5081, 0.5953, 0.3054



11.7070, 0.3694, 0.3951



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.2911, 0.4668, 0.4675



37.8100, 0.4679, 0.4667



28.5528, 0.3734, 0.5416



7.4583, 0.3266, 0.3461



16.8767, 0.4664, 0.4679



0.3607, 0.4444, 0.4854

Inverse Universe

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



3.8339, 0.1576, 0.0873



6.6047, 0.1568, 0.0844



3.0081, 0.1673, 0.0696



6.6735, 0.2988, 0.3113



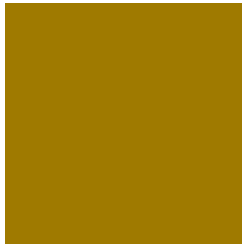
3.0788, 0.1579, 0.0885



0.1127, 0.1769, 0.1569

Previews

White Background



This preview shows how the Yxy color 21.2900, 0.4668, 0.4675 looks on a white background.

Color Contrast Check

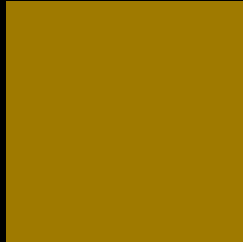
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2900, 0.4668, 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 × Fail

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

Yxy 21.2900, 0.4668, 0.4675

Background



This preview shows how black text looks on a background with the Yxy color 21.2900, 0.4668, 0.4675.



This preview shows how white text looks on a background with the Yxy color 21.2900, 0.4668, 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

21.2900, 0.4668, 0.4675

Protanopia

21.3852, 0.4379, 0.4861

Deuteranopia

21.2672, 0.4689, 0.4622



Tritanopia

21.2147, 0.3703, 0.3150

Trichromacy



Original Color

21.2900, 0.4668, 0.4675

Protanomaly

21.3222, 0.4476, 0.4801

Deuteranomaly

21.1571, 0.4685, 0.4641

Tritanomaly

20.8274, 0.4241, 0.3887

Monochromacy



Original Color

21.2900, 0.4668, 0.4675

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.0231, 0.3844, 0.4096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2900, 0.4668, 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(159, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 122, 0)  
}
```

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(159, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.2900, 0.4668, 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(159, 122, 0) }
```

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

```
.border{ border-color:rgb(159, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2900, 0.4668, 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(159, 122, 0) }
```

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

```
.background{ background-color: rgb(159,  
122, 0) }
```

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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