

Converting Colors

$Y_{xy}(20.7469, 0.4758, 0.5185)$

Have a look what the booklet for
Yxy(20.7469, 0.4758, 0.5185)
contains.

Yxy(20.9631, 0.4491, 0.4816)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.9631, 0.4491, 0.4816)

Conversions

Conversions Part 1

Format	Color
Hex	947D00
RGB	148, 125, 0
RGB Percent	58%, 49%, 0%
CMY	0.4196, 0.5098, 0.9999
CMYK	0.00, 0.16, 1.00, 0.42
HSL	51°, 100%, 29%
HSV	51°, 100%, 58%
XYZ	19.5484, 20.9631, 3.0165
YIQ	117.6270, 53.8330, -33.9990

Conversions

Conversions Part 2

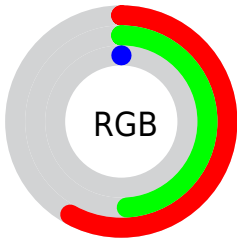
Format	Color
R _Y B	27, 148, 0
Decimal	9731328
CIE Lab	52.91, -1.88, 58.29
CIE LCh	53, 58.322, 91.849
Yxy	20.9631, 0.4491, 0.4816
Android (android.graphics.Color)	4287921408 (0xFF947D00)
YUV	117.6270, -57.9901, 26.6371
Hunter-Lab	45.7855, -3.9127, 28.1436

Details

The Yxy color **20.9631, 0.4491, 0.4816** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.7532, 0.1542, 0.0751**, and the grayscale version is **18.1679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9594, 0.4270, 0.4554**, and **7.6349, 0.4509, 0.4802** is the 20% darker color. If you saturate the color by 10%, you get **20.9630, 0.4491, 0.4816**, and if you desaturate by 10%, it is **21.5877, 0.4421, 0.4789**.

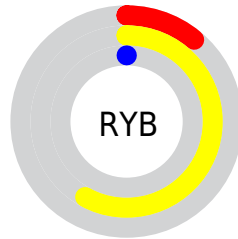
Distribution



Red (58%)

Green (49%)

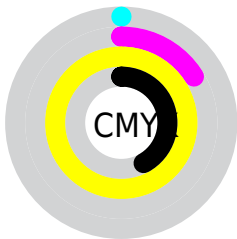
Blue (0%)



Red (11%)

Yellow (58%)

Blue (0%)

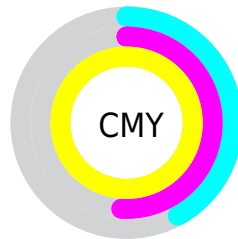


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9631, 0.4491, 0.4816 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 20.9631, 0.4491, 0.4816 by changing the saturation by 10% instead.


 20.9631, 0.4491,
0.4816


 20.9631, 0.4491,
0.4816


257.0823, 0.3810,
0.4042


 13.0970, 0.4616,
0.4966


 45.0261, 0.4265,
0.4554

 7.4954, 0.4806,
0.5194


 61.9919, 0.4172,
0.4448

 3.7738, 0.4788,
0.5212

 82.7596, 0.4090,
0.4355

 1.5479, 0.4759,
0.5241

 107.7138, 0.4019,
0.4275

 0.3221, 0.4468,
0.5532

 137.2387, 0.3956,
0.4205

 0.0000, 0.0000,
0.0000

 171.7189, 0.3902,

0.4144

■ 211.5386, 0.3853,
0.4090

■ 20.9631, 0.4491,
0.4816

■ 20.9631, 0.4491,
0.4816

■ 20.9630, 0.4491,
0.4816

■ 21.5877, 0.4421,
0.4789

■ 22.2488, 0.4331,
0.4729

■ 22.9590, 0.4214,
0.4626

■ 23.7228, 0.4077,
0.4485

■ 24.5440, 0.3923,
0.4312

■ 25.4262, 0.3760,
0.4118

■ 26.3723, 0.3595,
0.3911

■ 27.3853, 0.3432,
0.3700

■ 28.4678, 0.3275,
0.3492

Harmonies

Analogous

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



20.9631, 0.5084, 0.4101



20.9631, 0.4491, 0.4816



20.9631, 0.3602, 0.5262

Triad

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



20.9631, 0.4491, 0.4816



20.9631, 0.1477, 0.2686



20.9631, 0.3359, 0.2189

Complementary

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



20.9631, 0.4491, 0.4816



2.7532, 0.1542, 0.0751

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.



20.9631, 0.2377, 0.1860



20.9631, 0.4491, 0.4816



20.9631, 0.1445, 0.2035

Square

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



20.9631, 0.4491, 0.4816



20.9631, 0.1873, 0.3795



20.9631, 0.1737, 0.1794



20.9631, 0.4440, 0.2729

Rectangle

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



20.9631, 0.4491, 0.4816



20.9631, 0.2958, 0.5147



20.9631, 0.1737, 0.1794



20.9631, 0.3001, 0.2052

Sweetspot

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



20.9641, 0.4491, 0.4816



46.4164, 0.3605, 0.3924



6.3667, 0.6123, 0.3147



10.4474, 0.3668, 0.4004



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.9641, 0.4491, 0.4816



36.7756, 0.4498, 0.4811



23.8194, 0.3627, 0.5502



6.5926, 0.3263, 0.3476



17.9341, 0.4489, 0.4818



0.2528, 0.4327, 0.4946

Inverse Universe

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



2.7532, 0.1542, 0.0751



4.6883, 0.1536, 0.0728



2.8010, 0.1761, 0.0744



5.7700, 0.2989, 0.3097



2.3780, 0.1544, 0.0758



0.0568, 0.1700, 0.1321

Previews

White Background



This preview shows how the Yxy color 20.9631, 0.4491, 0.4816 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 20.9631, 0.4491, 0.4816 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 20.9631, 0.4491, 0.4816

Background



This preview shows how black text looks on a background with the Yxy color 20.9631, 0.4491, 0.4816.



This preview shows how white text looks on a background with the Yxy color 20.9631, 0.4491, 0.4816.

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

20.9631, 0.4491, 0.4816

Protanopia

21.0293, 0.4388, 0.4870

Deuteranopia

20.9382, 0.4673, 0.4595



Tritanopia

20.9400, 0.3523, 0.3144

Trichromacy



Original Color

20.9631, 0.4491, 0.4816

Protanomaly

20.9480, 0.4432, 0.4847

Deuteranomaly

21.0067, 0.4610, 0.4674

Tritanomaly

20.4482, 0.4047, 0.3942

Monochromacy



Original Color

20.9631, 0.4491, 0.4816

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.8499, 0.3780, 0.4152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9631, 0.4491, 0.4816 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(148, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 125, 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(148, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9631, 0.4491, 0.4816 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(148, 125, 0) }
```

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

```
.border{ border-color:rgb(148, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 125,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9631, 0.4491, 0.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 125, 0) }
```

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

```
.background{ background-color: rgb(148,  
125, 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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