

Converting Colors

$Y_{xy}(19.5704, 0.4624, 0.4456)$

Have a look what the booklet for
Yxy(19.5704, 0.4624, 0.4456)
contains.

Yxy(19.5339, 0.4624, 0.4450)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.5339, 0.4624, 0.4450)

Conversions

Conversions Part 1

Format	Color
Hex	9D7320
RGB	157, 115, 32
RGB Percent	62%, 45%, 13%
CMY	0.3843, 0.5490, 0.8746
CMYK	0.00, 0.27, 0.80, 0.38
HSL	40°, 66%, 37%
HSV	40°, 80%, 62%
XYZ	20.2977, 19.5339, 4.0648
YIQ	118.0960, 51.6750, -16.9090

Conversions

Conversions Part 2

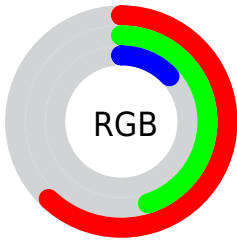
Format	Color
RYB	95, 157, 32
Decimal	10318624
CIELab	51.31, 8.75, 49.20
CIELCh	51, 49.974, 79.915
Yxy	19.5339, 0.4624, 0.4450
Android (android.graphics.Color)	4288508704 (0xFF9D7320)
YUV	118.0960, -42.4453, 34.1188
Hunter-Lab	44.1972, 4.6317, 25.4851

Details

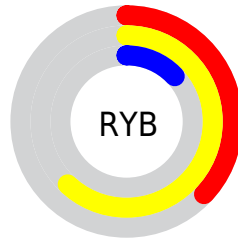
The Yxy color **19.5339, 0.4624, 0.4450** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.6368, 0.1838, 0.1538**, and the grayscale version is **18.2717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7090, 0.4329, 0.4260**, and **6.7810, 0.4891, 0.4498** is the 20% darker color. If you saturate the color by 10%, you get **18.3000, 0.4785, 0.4480**, and if you desaturate by 10%, it is **20.8793, 0.4438, 0.4374**.

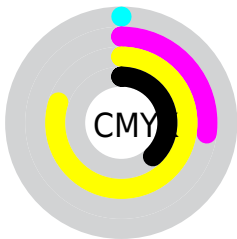
Distribution



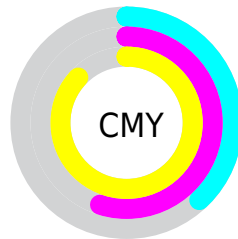
- Red (62%)
- Green (45%)
- Blue (13%)



- Red (37%)
- Yellow (62%)
- Blue (13%)



- Cyan (0%)
- Magenta (27%)
- Yellow (80%)
- Black (38%)





- Cyan (38%)
- Magenta (55%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5339, 0.4624, 0.4450 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 19.5339, 0.4624, 0.4450 by changing the saturation by 10% instead.


 19.5339, 0.4624,
0.4450


 19.5339, 0.4624,
0.4450


249.3805, 0.3821,
0.3868


 12.0567, 0.4812,
0.4560


 42.6343, 0.4333,
0.4255


 6.7823, 0.5068,
0.4701


 59.0264, 0.4221,
0.4174


 3.3263, 0.5270,
0.4730

 79.1588, 0.4127,
0.4105

 1.3044, 0.5410,
0.4590

 103.4160, 0.4047,
0.4044

 0.1446, 0.7083,
0.2917

 132.1824, 0.3978,
0.3992

 0.0000, 0.0000,
0.0000

 165.8423, 0.3919,

0.3946

204.7802, 0.3867,
0.3905

19.5339, 0.4624,
0.4450

19.5339, 0.4624,
0.4450

18.3000, 0.4785,
0.4480

20.8793, 0.4438,
0.4374

17.1618, 0.4923,
0.4469

22.3395, 0.4236,
0.4259

17.1220, 0.4928,
0.4469

23.9209, 0.4028,
0.4115

25.6285, 0.3823,
0.3954

27.4668, 0.3627,
0.3783

■ 29.4400, 0.3443,
0.3612

■ 31.5520, 0.3275,
0.3444

■ 33.8066, 0.3122,
0.3284

■ 36.2073, 0.2984,
0.3134

Harmonies

Analogous

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



19.5339, 0.4952, 0.3800



19.5339, 0.4624, 0.4450



19.5339, 0.3920, 0.4945

Triad

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



19.5339, 0.4624, 0.4450



19.5339, 0.1748, 0.3124



19.5339, 0.2965, 0.2152

Complementary

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



19.5339, 0.4624, 0.4450



7.6368, 0.1838, 0.1538

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.



19.5339, 0.2191, 0.1943



19.5339, 0.4624, 0.4450



19.5339, 0.1580, 0.2366

Square

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



19.5339, 0.4624, 0.4450



19.5339, 0.2263, 0.4158



19.5339, 0.1730, 0.1996



19.5339, 0.3925, 0.2581

Rectangle

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



19.5339, 0.4624, 0.4450



19.5339, 0.3351, 0.5010



19.5339, 0.1730, 0.1996



19.5339, 0.2676, 0.2055

Sweetspot

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



19.5349, 0.4624, 0.4450



50.9796, 0.3530, 0.3694



8.7190, 0.4900, 0.2718



10.9631, 0.3591, 0.3751



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.5349, 0.4624, 0.4450



31.0894, 0.4895, 0.4467



29.6476, 0.3913, 0.5079



7.3445, 0.3269, 0.3438



13.9738, 0.4921, 0.4474



0.3246, 0.4571, 0.4753

Inverse Universe

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



7.6368, 0.1838, 0.1538



9.3046, 0.1661, 0.1149



4.1629, 0.1791, 0.0937



6.7814, 0.2988, 0.3137



4.0894, 0.1645, 0.1121



0.1469, 0.1860, 0.1896

Previews

White Background



This preview shows how the Yxy color 19.5339, 0.4624, 0.4450 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 19.5339, 0.4624, 0.4450 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 19.5339, 0.4624, 0.4450

Background



This preview shows how black text looks on a background with the Yxy color 19.5339, 0.4624, 0.4450.



This preview shows how white text looks on a background with the Yxy color 19.5339, 0.4624, 0.4450.

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

19.5339, 0.4624, 0.4450

Protanopia

19.6847, 0.4260, 0.4697

Deuteranopia

19.4597, 0.4579, 0.4496



Tritanopia

19.4346, 0.3785, 0.3164

Trichromacy



Original Color

19.5339, 0.4624, 0.4450

Protanomaly

19.5625, 0.4396, 0.4607

Deuteranomaly

19.5583, 0.4591, 0.4487

Tritanomaly

19.2813, 0.4162, 0.3696

Monochromacy



Original Color

19.5339, 0.4624, 0.4450

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3162, 0.3702, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5339, 0.4624, 0.4450 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(157, 115, 32)` looks like.

```
.text, #text, p{  
    color:rgb(157, 115, 32)  
}
```

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(157, 115, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 115, 32) }
```

Border

The CSS property to change the border of an element to Yxy 19.5339, 0.4624, 0.4450 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(157, 115, 32) }
```

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

```
.border{ border-color:rgb(157, 115, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 115, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 115, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 115, 32);  
box-shadow:4px 4px 4px 4px rgb(157, 115,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5339, 0.4624, 0.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 115, 32) }
```

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

```
.background{ background-color: rgb(157,  
115, 32) }
```

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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