

Converting Colors

$Y_{xy}(18.1904, 0.4493, 0.4217)$

Have a look what the booklet for
Yxy(18.1904, 0.4493, 0.4217)
contains.

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Color

Yxy(18.1632, 0.4481, 0.4215)

Conversions

Conversions Part 1

Format	Color
Hex	996E33
RGB	153, 110, 51
RGB Percent	60%, 43%, 20%
CMY	0.4000, 0.5686, 0.8000
CMYK	0.00, 0.28, 0.67, 0.40
HSL	35°, 50%, 40%
HSV	35°, 67%, 60%
XYZ	19.3094, 18.1632, 5.6192
YIQ	116.1310, 44.5670, -9.2330

Conversions

Conversions Part 2

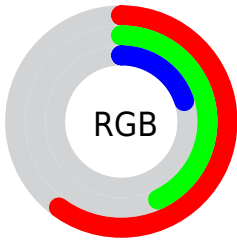
Format	Color
R_YB	125, 153, 51
Decimal	10055219
CIE Lab	49.69, 10.77, 38.80
CIE LCh	50, 40.270, 74.487
Yxy	18.1632, 0.4481, 0.4215
Android (android.graphics.Color)	4288245299 (0xFF996E33)
YUV	116.1310, -32.1096, 32.3341
Hunter-Lab	42.6183, 6.2925, 22.0155

Details

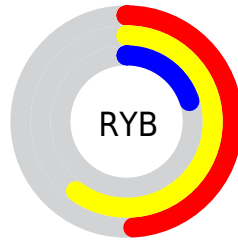
The Yxy color **18.1632, 0.4481, 0.4215** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.0053, 0.2066, 0.2046**, and the grayscale version is **17.5978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1115, 0.4190, 0.4038**, and **6.1561, 0.4922, 0.4439** is the 20% darker color. If you saturate the color by 10%, you get **16.7094, 0.4710, 0.4288**, and if you desaturate by 10%, it is **19.7645, 0.4244, 0.4107**.

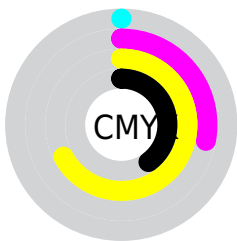
Distribution



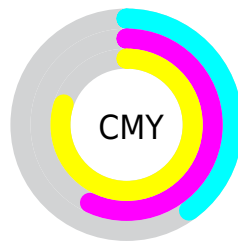
- Red (60%)
- Green (43%)
- Blue (20%)



- Red (49%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (28%)
- Yellow (67%)
- Black (40%)





- Cyan (40%)
- Magenta (57%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1632, 0.4481, 0.4215 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 18.1632, 0.4481, 0.4215 by changing the saturation by 10% instead.


 18.1632, 0.4481,
0.4215


 18.1632, 0.4481,
0.4215


241.7893, 0.3722,
0.3733

 11.0672, 0.4684,
0.4320


 40.3152, 0.4190,
0.4044


 6.1121, 0.4941,
0.4431

 56.1400, 0.4085,
0.3978

 2.9133, 0.5380,
0.4620

 75.6433, 0.3997,
0.3921

 1.0867, 0.5567,
0.4433

 99.2093, 0.3924,
0.3872

 0.0000, 1.0000,
0.0000

 127.2225, 0.3862,
0.3830

 0.0000, 0.0000,
0.0000

 160.0673, 0.3809,

0.3794

198.1281, 0.3762,
0.3762

■ 18.1632, 0.4481,
0.4215

■ 18.1632, 0.4481,
0.4215

■ 16.7094, 0.4710,
0.4288

■ 19.7645, 0.4244,
0.4107

■ 15.3937, 0.4920,
0.4315

■ 21.5165, 0.4011,
0.3974

■ 14.2077, 0.5101,
0.4295

■ 23.4258, 0.3789,
0.3828

■ 13.8363, 0.5161,
0.4284

■ 25.4974, 0.3583,
0.3677

■ 27.7362, 0.3396,
0.3527

■ 30.1467, 0.3229,
0.3382

■ 32.7333, 0.3079,
0.3245

■ 35.5002, 0.2947,
0.3117

■ 38.4513, 0.2831,
0.2999

Harmonies

Analogous

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



18.1632, 0.4651, 0.3662



18.1632, 0.4481, 0.4215



18.1632, 0.3948, 0.4630

Triad

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



18.1632, 0.4481, 0.4215



18.1632, 0.2021, 0.3316



18.1632, 0.2867, 0.2268

Complementary

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



18.1632, 0.4481, 0.4215



11.0053, 0.2066, 0.2046

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.



18.1632, 0.2246, 0.2128



18.1632, 0.4481, 0.4215



18.1632, 0.1809, 0.2623

Square

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



18.1632, 0.4481, 0.4215



18.1632, 0.2527, 0.4136



18.1632, 0.1888, 0.2232



18.1632, 0.3651, 0.2613

Rectangle

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



18.1632, 0.4481, 0.4215



18.1632, 0.3479, 0.4709



18.1632, 0.1888, 0.2232



18.1632, 0.2634, 0.2196

Sweetspot

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



18.1641, 0.4481, 0.4215



48.1471, 0.3464, 0.3583



9.9686, 0.4281, 0.2603



10.4041, 0.3512, 0.3621



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



18.1641, 0.4481, 0.4215



28.7395, 0.4817, 0.4308



29.1483, 0.3945, 0.4816



6.7863, 0.3270, 0.3419



11.5034, 0.5152, 0.4291



0.2438, 0.4657, 0.4684

Inverse Universe

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



11.0053, 0.2066, 0.2046



15.0475, 0.1876, 0.1720



5.5602, 0.1927, 0.1236



6.4328, 0.2989, 0.3158



5.0398, 0.1713, 0.1365



0.1451, 0.1937, 0.2172

Previews

White Background



This preview shows how the Yxy color 18.1632, 0.4481, 0.4215 looks on a white 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

Black Background



This preview shows how the Yxy color 18.1632, 0.4481, 0.4215 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 18.1632, 0.4481, 0.4215

Background



This preview shows how black text looks on a background with the Yxy color 18.1632, 0.4481, 0.4215.



This preview shows how white text looks on a background with the Yxy color 18.1632, 0.4481, 0.4215.

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

18.1632, 0.4481, 0.4215

Protanopia

18.3655, 0.4063, 0.4447

Deuteranopia

18.2436, 0.4375, 0.4311



Tritanopia

18.2164, 0.3788, 0.3176

Trichromacy



Original Color

18.1632, 0.4481, 0.4215

Protanomaly

18.3233, 0.4215, 0.4363

Deuteranomaly

18.2082, 0.4414, 0.4283

Tritanomaly

18.0973, 0.4083, 0.3575

Monochromacy



Original Color

18.1632, 0.4481, 0.4215

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.4745, 0.3611, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1632, 0.4481, 0.4215 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(153, 110, 51)` looks like.

```
.text, #text, p{  
    color:rgb(153, 110, 51)  
}
```

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(153, 110, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 110, 51) }
```

Border

The CSS property to change the border of an element to Yxy 18.1632, 0.4481, 0.4215 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(153, 110, 51) }
```

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

```
.border{ border-color:rgb(153, 110, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 110, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 110, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 110, 51);  
box-shadow:4px 4px 4px 4px rgb(153, 110,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1632, 0.4481, 0.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 110, 51) }
```

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

```
.background{ background-color: rgb(153,  
110, 51) }
```

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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