

Converting Colors

$Y_{xy}(19.3417, 0.4272, 0.4711)$

Have a look what the booklet for
Yxy(19.3417, 0.4272, 0.4711)
contains.

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Color

Yxy(19.3417, 0.4272, 0.4711)

Conversions

Conversions Part 1

Format	Color
Hex	897A20
RGB	137, 122, 32
RGB Percent	54%, 48%, 13%
CMY	0.4627, 0.5216, 0.8745
CMYK	0.00, 0.11, 0.77, 0.46
HSL	51°, 62%, 33%
HSV	51°, 77%, 54%
XYZ	17.5393, 19.3417, 4.1754
YIQ	116.2250, 37.8300, -24.8100

Conversions

Conversions Part 2

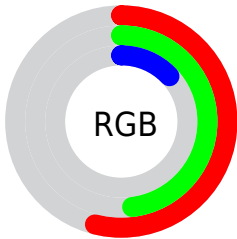
Format	Color
R_{YB}	50, 137, 32
Decimal	9009696
CIE _{Lab}	51.08, -4.50, 48.22
CIE _{LCh}	51, 48.428, 95.328
Yxy	19.3417, 0.4272, 0.4711
Android (android.graphics.Color)	4287199776 (0xFF897A20)
YUV	116.2250, -41.5229, 18.2197
Hunter-Lab	43.9792, -5.7761, 25.1564

Details

The Yxy color **19.3417, 0.4272, 0.4711** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.1491, 0.1780, 0.1205**, and the grayscale version is **17.6603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2497, 0.4056, 0.4425**, and **6.7824, 0.4400, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **18.8064, 0.4368, 0.4789**, and if you desaturate by 10%, it is **19.9195, 0.4152, 0.4592**.

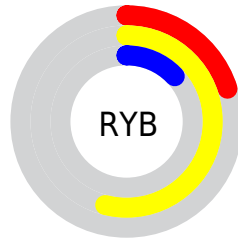
Distribution



Red (54%)

Green (48%)

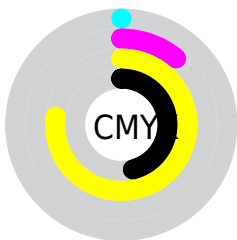
Blue (13%)



Red (20%)

Yellow (54%)

Blue (13%)

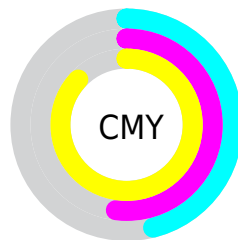


Cyan (0%)

Magenta (11%)

Yellow (77%)

Black (46%)



Cyan (46%)


Magenta (52%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3417, 0.4272, 0.4711 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 19.3417, 0.4272, 0.4711 by changing the saturation by 10% instead.

 19.3417, 0.4272,
0.4711


 19.3417, 0.4272,
0.4711


248.3287, 0.3673,
0.3943


 11.9174, 0.4400,
0.4893


 42.3107, 0.4061,
0.4430


 6.6875, 0.4569,
0.5142


 58.6242, 0.3978,
0.4323

 3.2674, 0.4660,
0.5340

 78.6696, 0.3907,
0.4234

 1.2729, 0.4579,
0.5421

 102.8313, 0.3847,
0.4157

 0.1201, 0.0350,
0.9650

 131.4937, 0.3794,
0.4092

 0.0000, 0.0000,
0.0000

 165.0411, 0.3749,

0.4035

203.8580, 0.3709,
0.3986

19.3417, 0.4272,
0.4711

19.3417, 0.4272,
0.4711

18.8064, 0.4368,
0.4789

19.9195, 0.4152,
0.4592

18.3050, 0.4439,
0.4828

20.5406, 0.4012,
0.4437

18.1403, 0.4463,
0.4839

21.2090, 0.3858,
0.4255

21.9272, 0.3697,
0.4055

22.6979, 0.3535,
0.3845

■ 23.5233, 0.3376,
0.3633

■ 24.4055, 0.3223,
0.3424

■ 25.3466, 0.3080,
0.3224

■ 26.3483, 0.2947,
0.3035

Harmonies

Analogous

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



19.3417, 0.4804, 0.4127



19.3417, 0.4272, 0.4711



19.3417, 0.3482, 0.4973

Triad

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



19.3417, 0.4272, 0.4711



19.3417, 0.1654, 0.2704



19.3417, 0.3446, 0.2370

Complementary

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



19.3417, 0.4272, 0.4711



4.1491, 0.1780, 0.1205

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.



19.3417, 0.2568, 0.2048



19.3417, 0.4272, 0.4711



19.3417, 0.1652, 0.2160

Square

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



19.3417, 0.4272, 0.4711



19.3417, 0.1985, 0.3609



19.3417, 0.1955, 0.1964



19.3417, 0.4343, 0.2877

Rectangle

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



19.3417, 0.4272, 0.4711



19.3417, 0.2914, 0.4783



19.3417, 0.1955, 0.1964



19.3417, 0.3134, 0.2239

Sweetspot

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



19.3426, 0.4272, 0.4711



41.0873, 0.3485, 0.3778



6.5647, 0.5319, 0.3072



9.1131, 0.3535, 0.3845



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.3426, 0.4272, 0.4711



33.0015, 0.4422, 0.4819



20.7259, 0.3640, 0.5204



5.7251, 0.3261, 0.3476



16.9053, 0.4462, 0.4839



0.1278, 0.4315, 0.4956

Inverse Universe

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



4.1491, 0.1780, 0.1205



4.7019, 0.1586, 0.0833



4.0964, 0.2096, 0.1149



5.0003, 0.2991, 0.3097



2.1472, 0.1540, 0.0745



0.0270, 0.1686, 0.1270

Previews

White Background



This preview shows how the Yxy color 19.3417, 0.4272, 0.4711 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 19.3417, 0.4272, 0.4711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

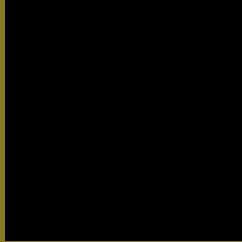
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3417, 0.4272, 0.4711

Background



This preview shows how black text looks on a background with the Yxy color 19.3417, 0.4272, 0.4711.



This preview shows how white text looks on a background with the Yxy color 19.3417, 0.4272, 0.4711.

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

19.3417, 0.4272, 0.4711

Protanopia

19.3417, 0.4272, 0.4711

Deuteranopia

19.3844, 0.4540, 0.4470



Tritanopia

19.3940, 0.3410, 0.3135

Trichromacy



Original Color

19.3417, 0.4272, 0.4711

Protanomaly

19.3417, 0.4272, 0.4711

Deuteranomaly

19.2754, 0.4442, 0.4555

Tritanomaly

19.1235, 0.3788, 0.3774

Monochromacy



Original Color

19.3417, 0.4272, 0.4711

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.8978, 0.3610, 0.3933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3417, 0.4272, 0.4711 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(137, 122, 32)` looks like.

```
.text, #text, p{  
    color:rgb(137, 122, 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(137, 122, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 122, 32) }
```

Border

The CSS property to change the border of an element to Yxy 19.3417, 0.4272, 0.4711 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(137, 122, 32) }
```

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

```
.border{ border-color:rgb(137, 122, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 122, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 122, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 122, 32);  
box-shadow:4px 4px 4px 4px rgb(137, 122,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3417, 0.4272, 0.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 122, 32) }
```

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

```
.background{ background-color: rgb(137,  
122, 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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