

Converting Colors

$Y_{xy}(17.4157, 0.4679, 0.4362)$

Have a look what the booklet for
Yxy(17.4157, 0.4679, 0.4362)
contains.

Yxy(17.3975, 0.4681, 0.4363)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.3975, 0.4681, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	996B21
RGB	153, 107, 33
RGB Percent	60%, 42%, 13%
CMY	0.4001, 0.5803, 0.8706
CMYK	0.00, 0.30, 0.78, 0.40
HSL	37°, 65%, 36%
HSV	37°, 78%, 60%
XYZ	18.6655, 17.3975, 3.8121
YIQ	112.3180, 51.1700, -13.2620

Conversions

Conversions Part 2

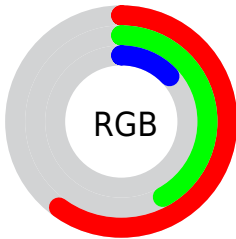
Format	Color
R_{YB}	108, 153, 33
Decimal	10054433
CIE Lab	48.76, 11.50, 46.22
CIE LCh	49, 47.632, 76.025
Yxy	17.3975, 0.4681, 0.4363
Android (android.graphics.Color)	4288244513 (0xFF996B21)
YUV	112.3180, -39.1038, 35.6781
Hunter-Lab	41.7103, 6.8864, 23.7785

Details

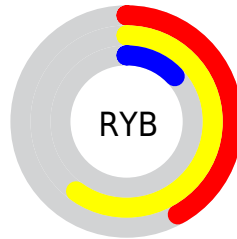
The Yxy color **17.3975, 0.4681, 0.4363** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.2066, 0.1886, 0.1689**, and the grayscale version is **16.4076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9271, 0.4365, 0.4180**, and **5.8284, 0.5019, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **16.1504, 0.4867, 0.4390**, and if you desaturate by 10%, it is **18.7682, 0.4472, 0.4290**.

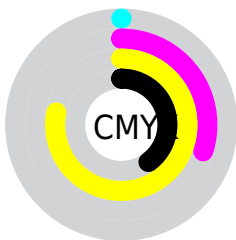
Distribution



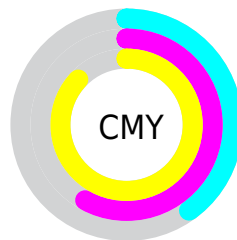
- Red (60%)
- Green (42%)
- Blue (13%)



- Red (42%)
- Yellow (60%)
- Blue (13%)



- Cyan (0%)
- Magenta (30%)
- Yellow (78%)
- Black (40%)




- Cyan (40%)
- Magenta (58%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3975, 0.4681, 0.4363 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 17.3975, 0.4681, 0.4363 by changing the saturation by 10% instead.


 17.3975, 0.4681,
0.4363


 17.3975, 0.4681,
0.4363


237.4528, 0.3825,
0.3823


 10.5183, 0.4892,
0.4462


 39.0080, 0.4362,
0.4182


 5.7439, 0.5207,
0.4605

 54.5080, 0.4243,
0.4108


 2.6900, 0.5427,
0.4573

 73.6505, 0.4144,
0.4043

 0.9721, 0.5637,
0.4363

 96.8198, 0.4060,
0.3987

 0.0000, 1.0000,
0.0000

 124.4002, 0.3988,
0.3937

 0.0000, 0.0000,
0.0000

 156.7763, 0.3926,

0.3894

194.3323, 0.3872,
0.3857

17.3975, 0.4681,
0.4363

17.3975, 0.4681,
0.4363

16.1504, 0.4867,
0.4390

18.7682, 0.4472,
0.4290

15.0132, 0.5028,
0.4373

20.2660, 0.4251,
0.4179

14.8431, 0.5054,
0.4369

21.8974, 0.4028,
0.4042

23.6676, 0.3813,
0.3890

25.5810, 0.3611,
0.3730

■ 27.6423, 0.3425,
0.3570

■ 29.8554, 0.3256,
0.3415

■ 32.2244, 0.3105,
0.3268

■ 34.7530, 0.2969,
0.3129

Harmonies

Analogous

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



17.3975, 0.4940, 0.3714



17.3975, 0.4681, 0.4363



17.3975, 0.4020, 0.4888

Triad

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



17.3975, 0.4681, 0.4363



17.3975, 0.1805, 0.3251



17.3975, 0.2852, 0.2120

Complementary

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



17.3975, 0.4681, 0.4363



8.2066, 0.1886, 0.1689

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.



17.3975, 0.2121, 0.1944



17.3975, 0.4681, 0.4363



17.3975, 0.1595, 0.2450

Square

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



17.3975, 0.4681, 0.4363



17.3975, 0.2362, 0.4277



17.3975, 0.1704, 0.2034



17.3975, 0.3795, 0.2521

Rectangle

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



17.3975, 0.4681, 0.4363



17.3975, 0.3464, 0.5005



17.3975, 0.1704, 0.2034



17.3975, 0.2576, 0.2034

Sweetspot

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



17.3984, 0.4681, 0.4363



47.2597, 0.3535, 0.3666



8.4212, 0.4754, 0.2654



10.1738, 0.3598, 0.3719



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.



17.3984, 0.4681, 0.4363



27.4074, 0.4986, 0.4377



28.3711, 0.3954, 0.5029



6.8252, 0.3269, 0.3427



12.3376, 0.5046, 0.4376



0.2544, 0.4602, 0.4728

Inverse Universe

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



8.2066, 0.1886, 0.1689



10.4673, 0.1712, 0.1320



3.9902, 0.1779, 0.0951



6.3949, 0.2988, 0.3149



4.5132, 0.1681, 0.1253



0.1344, 0.1908, 0.2067

Previews

White Background



This preview shows how the Yxy color 17.3975, 0.4681, 0.4363 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 17.3975, 0.4681, 0.4363 looks on a black 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

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

Yxy 17.3975, 0.4681, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 17.3975, 0.4681, 0.4363.



This preview shows how white text looks on a background with the Yxy color 17.3975, 0.4681, 0.4363.

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

17.3975, 0.4681, 0.4363

Protanopia

17.3580, 0.4233, 0.4663

Deuteranopia

17.3671, 0.4554, 0.4471



Tritanopia

17.3440, 0.3867, 0.3176

Trichromacy



Original Color

17.3975, 0.4681, 0.4363

Protanomaly

17.3290, 0.4390, 0.4562

Deuteranomaly

17.4311, 0.4608, 0.4432

Tritanomaly

17.3476, 0.4236, 0.3672

Monochromacy



Original Color

17.3975, 0.4681, 0.4363

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.2884, 0.3724, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3975, 0.4681, 0.4363 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, 107, 33)` looks like.

```
.text, #text, p{  
    color:rgb(153, 107, 33)  
}
```

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, 107, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 107, 33) }
```

Border

The CSS property to change the border of an element to Yxy 17.3975, 0.4681, 0.4363 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, 107, 33) }
```

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

```
.border{ border-color:rgb(153, 107, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 107, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 107, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 107, 33);  
box-shadow:4px 4px 4px 4px rgb(153, 107,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3975, 0.4681, 0.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 107, 33) }
```

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

```
.background{ background-color: rgb(153,  
107, 33) }
```

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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