

Converting Colors

$Y_{xy}(17.6373, 0.4364, 0.4678)$

Have a look what the booklet for
Yxy(17.6373, 0.4364, 0.4678)
contains.

Yxy(17.4962, 0.4362, 0.4673)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.4962, 0.4362, 0.4673)

Conversions

Conversions Part 1

Format	Color
Hex	87731C
RGB	135, 115, 28
RGB Percent	53%, 45%, 11%
CMY	0.4706, 0.5490, 0.8903
CMYK	0.00, 0.15, 0.79, 0.47
HSL	49°, 66%, 32%
HSV	49°, 79%, 53%
XYZ	16.3318, 17.4962, 3.6131
YIQ	111.0620, 39.8470, -22.8170

Conversions

Conversions Part 2

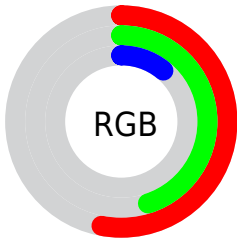
Format	Color
R_{YB}	53, 135, 28
Decimal	8876828
CIE _{Lab}	48.88, -1.68, 47.59
CIE _{LCh}	49, 47.621, 92.021
Yxy	17.4962, 0.4362, 0.4673
Android (android.graphics.Color)	4287066908 (0xFF87731C)
YUV	111.0620, -40.9496, 20.9936
Hunter-Lab	41.8285, -3.5051, 24.1586

Details

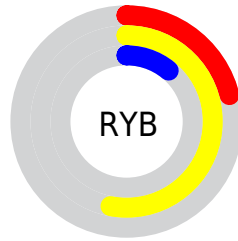
The Yxy color **17.4962, 0.4362, 0.4673** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.1072, 0.1768, 0.1229**, and the grayscale version is **16.0275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2783, 0.4124, 0.4411**, and **5.8081, 0.4525, 0.4789** is the 20% darker color. If you saturate the color by 10%, you get **16.8789, 0.4466, 0.4734**, and if you desaturate by 10%, it is **18.1599, 0.4233, 0.4569**.

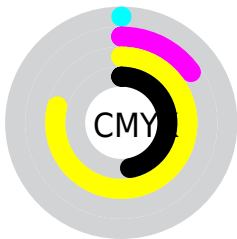
Distribution



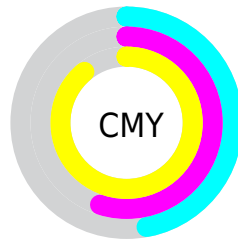
- Red (53%)
- Green (45%)
- Blue (11%)



- Red (21%)
- Yellow (53%)
- Blue (11%)



- Cyan (0%)
- Magenta (15%)
- Yellow (79%)
- Black (47%)




- Cyan (47%)
- Magenta (55%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4962, 0.4362, 0.4673 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 17.4962, 0.4362, 0.4673 by changing the saturation by 10% instead.


 17.4962, 0.4362,
0.4673


 17.4962, 0.4362,
0.4673


238.0158, 0.3703,
0.3925


 10.5889, 0.4507,
0.4845


 39.1770, 0.4126,
0.4401


 5.7911, 0.4742,
0.5122

 54.7192, 0.4034,
0.4297


 2.7185, 0.4789,
0.5211

 73.9086, 0.3957,
0.4210

 0.9866, 0.4755,
0.5245


 97.1295, 0.3891,
0.4135

 0.0000, 0.0000,
0.0000


 124.7662, 0.3833,
0.4071


 157.2033, 0.3784,


0.4016


 194.8250, 0.3741,
0.3968


 17.4962, 0.4362,
0.4673


 17.4962, 0.4362,
0.4673

 16.8789, 0.4466,
0.4734

 18.1599, 0.4233,
0.4569


 16.2962, 0.4550,
0.4763

 18.8711, 0.4084,
0.4429

 16.2549, 0.4556,
0.4764

 19.6337, 0.3922,
0.4259

 20.4505, 0.3754,
0.4071

 21.3239, 0.3585,
0.3871

■ 22.2563, 0.3420,
0.3668

■ 23.2498, 0.3264,
0.3469

■ 24.3065, 0.3117,
0.3276

■ 25.4282, 0.2981,
0.3094

Harmonies

Analogous

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



17.4962, 0.4863, 0.4062



17.4962, 0.4362, 0.4673



17.4962, 0.3578, 0.5001

Triad

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



17.4962, 0.4362, 0.4673



17.4962, 0.1654, 0.2777



17.4962, 0.3344, 0.2311

Complementary

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



17.4962, 0.4362, 0.4673



4.1072, 0.1768, 0.1229

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.



17.4962, 0.2475, 0.2009



17.4962, 0.4362, 0.4673



17.4962, 0.1618, 0.2185

Square

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



17.4962, 0.4362, 0.4673



17.4962, 0.2025, 0.3729



17.4962, 0.1890, 0.1953



17.4962, 0.4274, 0.2806

Rectangle

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



17.4962, 0.4362, 0.4673



17.4962, 0.3002, 0.4867



17.4962, 0.1890, 0.1953



17.4962, 0.3031, 0.2186

Sweetspot

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



17.4970, 0.4362, 0.4673



38.9654, 0.3506, 0.3775



6.2051, 0.5288, 0.2992



8.9044, 0.3558, 0.3838



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.



17.4970, 0.4362, 0.4673



29.4091, 0.4528, 0.4752



20.2889, 0.3707, 0.5203



5.2791, 0.3261, 0.3465



15.0069, 0.4555, 0.4766



0.0615, 0.4358, 0.4922

Inverse Universe

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



4.1072, 0.1768, 0.1229



4.7088, 0.1585, 0.0858



3.5417, 0.1990, 0.1059



4.6751, 0.2992, 0.3108



2.2786, 0.1560, 0.0814



0.0159, 0.1734, 0.1443

Previews

White Background



This preview shows how the Yxy color 17.4962, 0.4362, 0.4673 looks on a white background.

Color Contrast Check

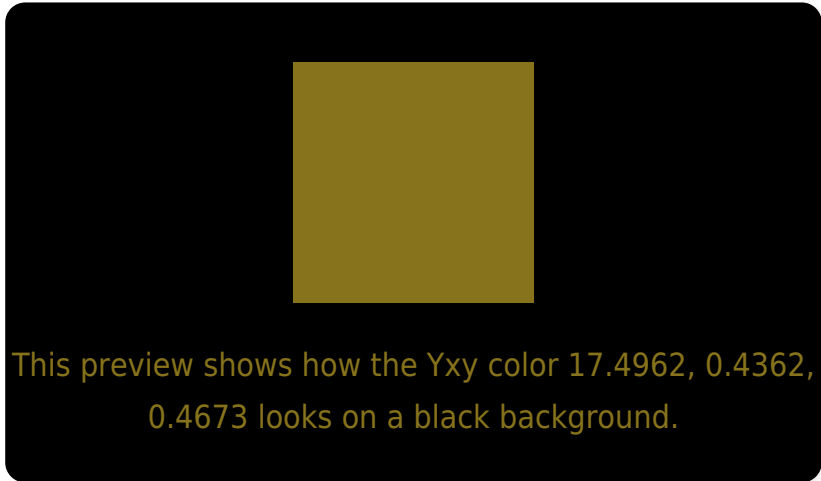
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 17.4962, 0.4362, 0.4673

Background



This preview shows how black text looks on a background with the Yxy color 17.4962, 0.4362, 0.4673.



This preview shows how white text looks on a background with the Yxy color 17.4962, 0.4362, 0.4673.

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

17.4962, 0.4362, 0.4673

Protanopia

17.6317, 0.4280, 0.4737

Deuteranopia

17.3566, 0.4568, 0.4489



Tritanopia

17.4159, 0.3496, 0.3149

Trichromacy



Original Color

17.4962, 0.4362, 0.4673

Protanomaly

17.4802, 0.4307, 0.4714

Deuteranomaly

17.4278, 0.4493, 0.4560

Tritanomaly

17.2654, 0.3898, 0.3784

Monochromacy



Original Color

17.4962, 0.4362, 0.4673

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.1755, 0.3637, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4962, 0.4362, 0.4673 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(135, 115, 28)` looks like.

```
.text, #text, p{  
    color:rgb(135, 115, 28)  
}
```

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(135, 115, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 115, 28) }
```

Border

The CSS property to change the border of an element to Yxy 17.4962, 0.4362, 0.4673 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(135, 115, 28) }
```

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

```
.border{ border-color:rgb(135, 115, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 115, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 115, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 115, 28);  
box-shadow:4px 4px 4px 4px rgb(135, 115,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4962, 0.4362, 0.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 115, 28) }
```

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

```
.background{ background-color: rgb(135,  
115, 28) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor