

Converting Colors

$Y_{xy}(17.7684, 0.5202, 0.4229)$

Have a look what the booklet for
Yxy(17.7684, 0.5202, 0.4229)
contains.

Yxy(17.7428, 0.5204, 0.4227)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7428, 0.5204, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	AE6204
RGB	174, 98, 4
RGB Percent	68%, 38%, 2%
CMY	0.3177, 0.6156, 0.9843
CMYK	0.00, 0.44, 0.98, 0.32
HSL	33°, 95%, 35%
HSV	33°, 98%, 68%
XYZ	21.8437, 17.7428, 2.3884
YIQ	110.0080, 75.4700, -13.1220

Conversions

Conversions Part 2

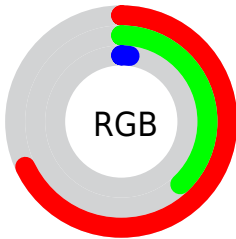
Format	Color
RYB	141, 174, 4
Decimal	11428356
CIELab	49.18, 25.31, 56.40
CIElCh	49, 61.816, 65.833
Yxy	17.7428, 0.5204, 0.4227
Android (android.graphics.Color)	4289618436 (0xFFAE6204)
YUV	110.0080, -52.2619, 56.1210
Hunter-Lab	42.1222, 18.8528, 26.1237

Details

The Yxy color **17.7428, 0.5204, 0.4227** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.8172, 0.1743, 0.1456**, and the grayscale version is **15.7332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5272, 0.4809, 0.4138**, and **5.9260, 0.5530, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **17.4033, 0.5247, 0.4216**, and if you desaturate by 10%, it is **19.3177, 0.5016, 0.4264**.

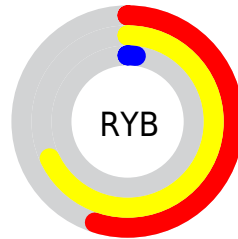
Distribution



Red (68%)

Green (38%)

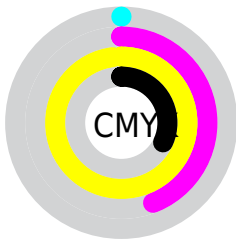
Blue (2%)



Red (55%)

Yellow (68%)

Blue (2%)

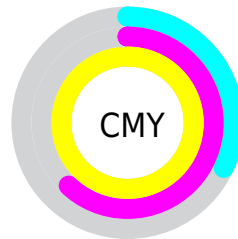


Cyan (0%)

Magenta (44%)

Yellow (98%)

Black (32%)



Cyan (32%)


Magenta (62%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7428, 0.5204, 0.4227 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 17.7428, 0.5204, 0.4227 by changing the saturation by 10% instead.


 17.7428, 0.5204,
0.4227


 17.7428, 0.5204,
0.4227


239.4173, 0.4090,
0.3850


 10.7655, 0.5455,
0.4238


 39.5986, 0.4806,
0.4140


 5.9094, 0.5783,
0.4217

 55.2458, 0.4652,
0.4090

 2.7900, 0.6016,
0.3984

 74.5518, 0.4520,
0.4041

 1.0231, 0.6406,
0.3594

 97.9010, 0.4408,
0.3995


 0.0000, 1.0000,
0.0000


 125.6778, 0.4311,
0.3953


 0.0000, 0.0000,
0.0000


 158.2665, 0.4228,


0.3915


 196.0515, 0.4155,
0.3881


 17.7428, 0.5204,
0.4227


 17.7428, 0.5204,
0.4227


 17.4033, 0.5247,
0.4216

 19.3177, 0.5016,
0.4264

 21.0795, 0.4797,
0.4251

 23.0432, 0.4556,
0.4190

 25.2187, 0.4306,
0.4091

 27.6150, 0.4061,
0.3966

■ 30.2402, 0.3828,
0.3826

■ 33.1020, 0.3614,
0.3680

■ 36.2077, 0.3420,
0.3534

■ 39.5640, 0.3247,
0.3393

Harmonies

Analogous

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



17.7428, 0.5373, 0.3455



17.7428, 0.5204, 0.4227



17.7428, 0.4465, 0.5027

Triad

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



17.7428, 0.5204, 0.4227



17.7428, 0.1656, 0.3657



17.7428, 0.2416, 0.1767

Complementary

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



17.7428, 0.5204, 0.4227



8.8172, 0.1743, 0.1456

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.



17.7428, 0.1679, 0.1653



17.7428, 0.5204, 0.4227



17.7428, 0.1304, 0.2473

Square

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



17.7428, 0.5204, 0.4227



17.7428, 0.2437, 0.5021



17.7428, 0.1325, 0.1850



17.7428, 0.3540, 0.2152

Rectangle

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



17.7428, 0.5204, 0.4227



17.7428, 0.3812, 0.5427



17.7428, 0.1325, 0.1850



17.7428, 0.2124, 0.1698

Sweetspot

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



17.7437, 0.5204, 0.4227



59.0749, 0.3651, 0.3706



9.6712, 0.5099, 0.2601



12.6423, 0.3740, 0.3768



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



17.7437, 0.5204, 0.4227



31.1184, 0.5269, 0.4198



38.3295, 0.4104, 0.5111



8.7220, 0.3273, 0.3415



12.7440, 0.5232, 0.4228



0.4616, 0.4840, 0.4539

Inverse Universe

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



8.8172, 0.1743, 0.1456



14.9372, 0.1718, 0.1383



3.2245, 0.1528, 0.0628



8.3245, 0.2986, 0.3161



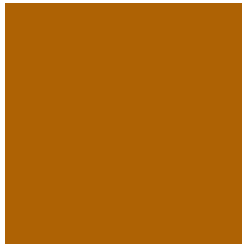
6.2606, 0.1732, 0.1433



0.2844, 0.1898, 0.2033

Previews

White Background



This preview shows how the Yxy color 17.7428, 0.5204, 0.4227 looks on a white background.

Color Contrast Check

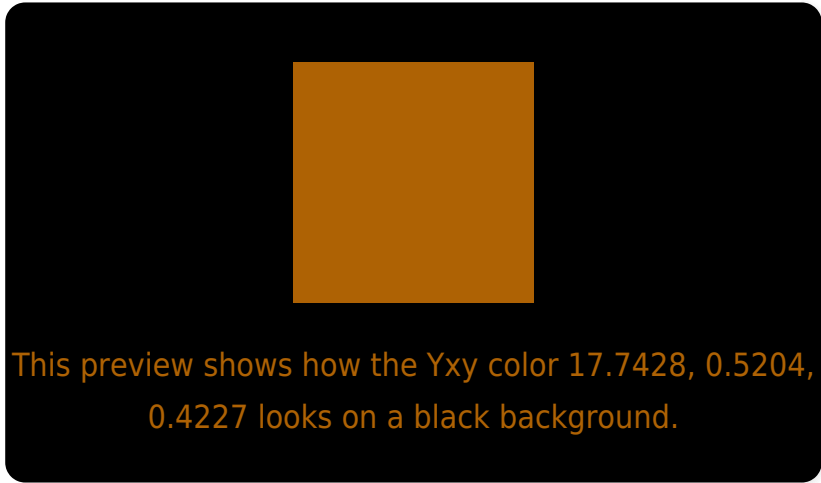
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7428, 0.5204, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 17.7428, 0.5204, 0.4227.



This preview shows how white text looks on a background with the Yxy color 17.7428, 0.5204, 0.4227.

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

17.7428, 0.5204, 0.4227

Protanopia

17.8941, 0.4345, 0.4838

Deuteranopia

17.6648, 0.4706, 0.4645



Tritanopia

17.7111, 0.4339, 0.3192

Trichromacy



Original Color

17.7428, 0.5204, 0.4227

Protanomaly

17.5938, 0.4663, 0.4616

Deuteranomaly

17.4784, 0.4896, 0.4489

Tritanomaly

17.6057, 0.4809, 0.3708

Monochromacy



Original Color

17.7428, 0.5204, 0.4227

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.7495, 0.4004, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7428, 0.5204, 0.4227 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(174, 98, 4)` looks like.

```
.text, #text, p{  
    color:rgb(174, 98, 4)  
}
```

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(174, 98, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 98, 4) }
```

Border

The CSS property to change the border of an element to Yxy 17.7428, 0.5204, 0.4227 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(174, 98, 4) }
```

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

```
.border{ border-color:rgb(174, 98, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 98, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 98, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 98, 4);  
box-shadow:4px 4px 4px 4px rgb(174, 98, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7428, 0.5204, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 98, 4) }
```

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

```
.background{ background-color: rgb(174, 98,  
4) }
```

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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