

Converting Colors

$Y_{xy}(17.1392, 0.4970, 0.4210)$

Have a look what the booklet for
Yxy(17.1392, 0.4970, 0.4210)
contains.

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Color

Yxy(17.1975, 0.4968, 0.4212)

Conversions

Conversions Part 1

Format	Color
Hex	A5641C
RGB	165, 100, 28
RGB Percent	65%, 39%, 11%
CMY	0.3529, 0.6078, 0.8902
CMYK	0.00, 0.39, 0.83, 0.35
HSL	32°, 71%, 38%
HSV	32°, 83%, 65%
XYZ	20.2842, 17.1975, 3.3480
YIQ	111.2270, 61.8520, -8.6120

Conversions

Conversions Part 2

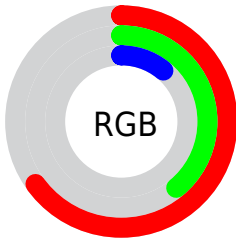
Format	Color
R_{YB}	152, 165, 28
Decimal	10839068
CIE _{Lab}	48.51, 20.75, 48.56
CIE _{LCh}	49, 52.809, 66.868
Yxy	17.1975, 0.4968, 0.4212
Android (android.graphics.Color)	4289029148 (0xFFA5641C)
YUV	111.2270, -41.0309, 47.1589
Hunter-Lab	41.4699, 14.7378, 24.2422

Details

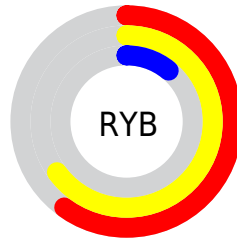
The Yxy color **17.1975, 0.4968, 0.4212** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.7900, 0.1893, 0.1827**, and the grayscale version is **16.0741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7053, 0.4591, 0.4082**, and **5.7344, 0.5363, 0.4124** is the 20% darker color. If you saturate the color by 10%, you get **15.7097, 0.5183, 0.4192**, and if you desaturate by 10%, it is **18.8747, 0.4723, 0.4180**.

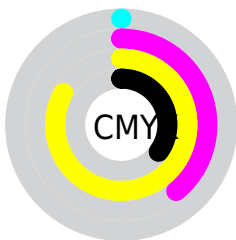
Distribution



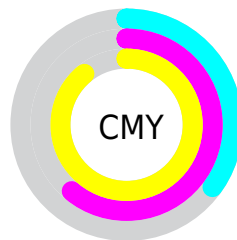
- Red (65%)
- Green (39%)
- Blue (11%)



- Red (60%)
- Yellow (65%)
- Blue (11%)



- Cyan (0%)
- Magenta (39%)
- Yellow (83%)
- Black (35%)





- Cyan (35%)
- Magenta (61%)
- Yellow (89%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1975, 0.4968, 0.4212 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 17.1975, 0.4968, 0.4212 by changing the saturation by 10% instead.


 17.1975, 0.4968,
0.4212


 17.1975, 0.4968,
0.4212


236.3080, 0.3951,
0.3792


 10.3754, 0.5218,
0.4259


 38.6650, 0.4590,
0.4090


 5.6486, 0.5622,
0.4347

 54.0793, 0.4449,
0.4033


 2.6326, 0.5844,
0.4156

 73.1263, 0.4330,
0.3980

 0.9431, 0.6194,
0.3806

 96.1906, 0.4230,
0.3934


 0.0000, 1.0000,
0.0000


 123.6565, 0.4145,
0.3892


 0.0000, 0.0000,
0.0000

 155.9085, 0.4071,

0.3855

 193.3308, 0.4007,
0.3821

 17.1975, 0.4968,
0.4212

 17.1975, 0.4968,
0.4212


 15.7097, 0.5183,
0.4192


 18.8747, 0.4723,
0.4180

 14.7717, 0.5320,
0.4157

 20.7487, 0.4465,
0.4105

 22.8293, 0.4206,
0.3998

 25.1247, 0.3959,
0.3871

 27.6425, 0.3730,
0.3734

■ 30.3897, 0.3522,
0.3595

■ 33.3730, 0.3337,
0.3458

■ 36.5988, 0.3173,
0.3328

■ 40.0732, 0.3029,
0.3206

Harmonies

Analogous

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



17.1975, 0.5096, 0.3507



17.1975, 0.4968, 0.4212



17.1975, 0.4332, 0.4883

Triad

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



17.1975, 0.4968, 0.4212



17.1975, 0.1818, 0.3581



17.1975, 0.2539, 0.1933

Complementary

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



17.1975, 0.4968, 0.4212



10.7900, 0.1893, 0.1827

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.



17.1975, 0.1854, 0.1823



17.1975, 0.4968, 0.4212



17.1975, 0.1491, 0.2571

Square

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



17.1975, 0.4968, 0.4212



17.1975, 0.2520, 0.4716



17.1975, 0.1512, 0.2007



17.1975, 0.3534, 0.2294

Rectangle

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



17.1975, 0.4968, 0.4212



17.1975, 0.3753, 0.5169



17.1975, 0.1512, 0.2007



17.1975, 0.2271, 0.1866

Sweetspot

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



17.1984, 0.4968, 0.4212



53.1946, 0.3571, 0.3628



9.6416, 0.4587, 0.2462



11.2692, 0.3639, 0.3675



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



17.1984, 0.4968, 0.4212



26.0438, 0.5346, 0.4137



34.7521, 0.4116, 0.4982



7.6732, 0.3272, 0.3408



11.2752, 0.5306, 0.4169



0.3308, 0.4808, 0.4564

Inverse Universe

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



10.7900, 0.1893, 0.1827



14.2928, 0.1744, 0.1477



3.8268, 0.1631, 0.0806



7.3882, 0.2987, 0.3169



6.3057, 0.1757, 0.1526



0.2270, 0.1948, 0.2213

Previews

White Background



This preview shows how the Yxy color 17.1975, 0.4968, 0.4212 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 17.1975, 0.4968, 0.4212 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 17.1975, 0.4968, 0.4212

Background



This preview shows how black text looks on a background with the Yxy color 17.1975, 0.4968, 0.4212.



This preview shows how white text looks on a background with the Yxy color 17.1975, 0.4968, 0.4212.

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

17.1975, 0.4968, 0.4212

Protanopia

17.3409, 0.4254, 0.4695

Deuteranopia

17.3247, 0.4611, 0.4543



Tritanopia

17.1838, 0.4185, 0.3185

Trichromacy



Original Color

17.1975, 0.4968, 0.4212

Protanomaly

17.0904, 0.4521, 0.4505

Deuteranomaly

17.1506, 0.4750, 0.4412

Tritanomaly

17.1850, 0.4549, 0.3625

Monochromacy



Original Color

17.1975, 0.4968, 0.4212

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9348, 0.3830, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1975, 0.4968, 0.4212 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(165, 100, 28)` looks like.

```
.text, #text, p{  
    color:rgb(165, 100, 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(165, 100, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 100, 28) }
```

Border

The CSS property to change the border of an element to Yxy 17.1975, 0.4968, 0.4212 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(165, 100, 28) }
```

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

```
.border{ border-color:rgb(165, 100, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 100, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 100, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 100, 28);  
box-shadow:4px 4px 4px 4px rgb(165, 100,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1975, 0.4968, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 100, 28) }
```

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

```
.background{ background-color: rgb(165,  
100, 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](#).

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