

Converting Colors

$Y_{xy}(19.6571, 0.4705, 0.4288)$

Have a look what the booklet for
Yxy(19.6571, 0.4705, 0.4288)
contains.

Yxy(19.7342, 0.4713, 0.4290)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7342, 0.4713, 0.4290)

Conversions

Conversions Part 1

Format	Color
Hex	A57027
RGB	165, 112, 39
RGB Percent	65%, 44%, 15%
CMY	0.3529, 0.5608, 0.8470
CMYK	0.00, 0.32, 0.76, 0.35
HSL	35°, 62%, 40%
HSV	35°, 76%, 65%
XYZ	21.6800, 19.7342, 4.5862
YIQ	119.5250, 55.0210, -11.4670

Conversions

Conversions Part 2

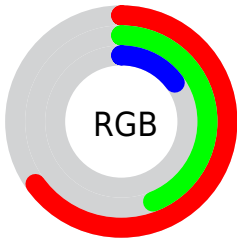
Format	Color
R_{YB}	130, 165, 39
Decimal	10842151
CIE _{Lab}	51.54, 14.40, 46.85
CIE _{LCh}	52, 49.016, 72.917
Yxy	19.7342, 0.4713, 0.4290
Android (android.graphics.Color)	4289032231 (0xFFA57027)
YUV	119.5250, -39.6988, 39.8816
Hunter-Lab	44.4232, 9.3734, 24.9751

Details

The Yxy color **19.7342, 0.4713, 0.4290** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.8074, 0.1931, 0.1821**, and the grayscale version is **18.7396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1195, 0.4393, 0.4134**, and **6.8549, 0.5083, 0.4346** is the 20% darker color. If you saturate the color by 10%, you get **18.1750, 0.4923, 0.4317**, and if you desaturate by 10%, it is **21.4611, 0.4482, 0.4217**.

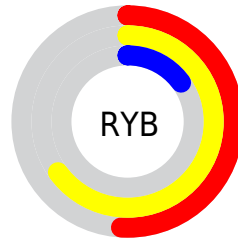
Distribution



Red (65%)

Green (44%)

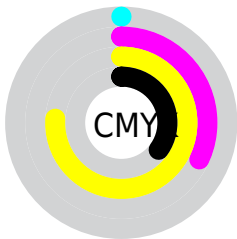
Blue (15%)



Red (51%)

Yellow (65%)

Blue (15%)

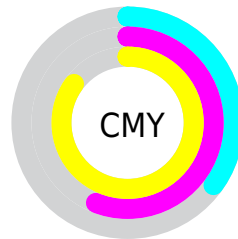


Cyan (0%)

Magenta (32%)

Yellow (76%)

Black (35%)



Cyan (35%)


Magenta (56%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7342, 0.4713, 0.4290 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 19.7342, 0.4713, 0.4290 by changing the saturation by 10% instead.


 19.7342, 0.4713,
0.4290


 19.7342, 0.4713,
0.4290


250.4725, 0.3850,
0.3803


 12.2020, 0.4925,
0.4375


 42.9711, 0.4394,
0.4131


 6.8814, 0.5198,
0.4461


 59.4446, 0.4274,
0.4065


 3.3880, 0.5511,
0.4489

 79.6672, 0.4174,
0.4006

 1.3375, 0.5727,
0.4273

 104.0235, 0.4089,
0.3955

 0.1700, 0.7511,
0.2489

 132.8978, 0.4016,
0.3910

 0.0000, 0.0000,
0.0000

 166.6745, 0.3953,

0.3870

205.7379, 0.3898,
0.3835

■ 19.7342, 0.4713,
0.4290

■ 19.7342, 0.4713,
0.4290

■ 18.1750, 0.4923,
0.4317

■ 21.4611, 0.4482,
0.4217

■ 16.7703, 0.5103,
0.4293

■ 23.3609, 0.4244,
0.4108

■ 16.2912, 0.5166,
0.4280

■ 25.4416, 0.4010,
0.3975

■ 27.7100, 0.3787,
0.3828

■ 30.1723, 0.3580,
0.3675

■ 32.8341, 0.3393,
0.3524

■ 35.7011, 0.3224,
0.3379

■ 38.7784, 0.3075,
0.3241

■ 42.0710, 0.2942,
0.3112

Harmonies

Analogous

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



19.7342, 0.4912, 0.3646



19.7342, 0.4713, 0.4290



19.7342, 0.4092, 0.4830

Triad

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



19.7342, 0.4713, 0.4290



19.7342, 0.1862, 0.3354



19.7342, 0.2769, 0.2103

Complementary

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



19.7342, 0.4713, 0.4290



10.8074, 0.1931, 0.1821

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.



19.7342, 0.2076, 0.1955



19.7342, 0.4713, 0.4290



19.7342, 0.1617, 0.2526

Square

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



19.7342, 0.4713, 0.4290



19.7342, 0.2447, 0.4359



19.7342, 0.1694, 0.2075



19.7342, 0.3689, 0.2480

Rectangle

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



19.7342, 0.4713, 0.4290



19.7342, 0.3551, 0.4982



19.7342, 0.1694, 0.2075



19.7342, 0.2505, 0.2026

Sweetspot

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



19.7352, 0.4713, 0.4290



55.3890, 0.3523, 0.3631



10.2537, 0.4560, 0.2562



11.7609, 0.3590, 0.3683



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.



19.7352, 0.4713, 0.4290



30.6763, 0.5057, 0.4304



34.1919, 0.4013, 0.4962



7.7353, 0.3271, 0.3420



12.4223, 0.5154, 0.4290



0.3516, 0.4726, 0.4630

Inverse Universe

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



10.8074, 0.1931, 0.1821



14.1099, 0.1755, 0.1460



4.7827, 0.1757, 0.0965



7.3269, 0.2987, 0.3156



5.4094, 0.1711, 0.1358



0.2062, 0.1911, 0.2080

Previews

White Background



This preview shows how the Yxy color 19.7342, 0.4713, 0.4290 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 19.7342, 0.4713, 0.4290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

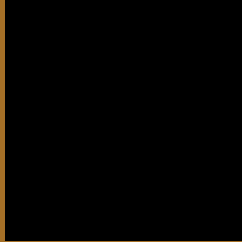
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7342, 0.4713, 0.4290

Background



This preview shows how black text looks on a background with the Yxy color 19.7342, 0.4713, 0.4290.



This preview shows how white text looks on a background with the Yxy color 19.7342, 0.4713, 0.4290.

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

19.7342, 0.4713, 0.4290

Protanopia

19.7364, 0.4204, 0.4614

Deuteranopia

19.7262, 0.4525, 0.4458



Tritanopia

19.7304, 0.3918, 0.3169

Trichromacy



Original Color

19.7342, 0.4713, 0.4290

Protanomaly

19.6496, 0.4392, 0.4493

Deuteranomaly

19.6705, 0.4594, 0.4391

Tritanomaly

19.7218, 0.4271, 0.3632

Monochromacy



Original Color

19.7342, 0.4713, 0.4290

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7122, 0.3706, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7342, 0.4713, 0.4290 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, 112, 39)` looks like.

```
.text, #text, p{  
    color:rgb(165, 112, 39)  
}
```

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, 112, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 112, 39) }
```

Border

The CSS property to change the border of an element to Yxy 19.7342, 0.4713, 0.4290 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, 112, 39) }
```

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

```
.border{ border-color:rgb(165, 112, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 112, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 112, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 112, 39);  
box-shadow:4px 4px 4px 4px rgb(165, 112,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7342, 0.4713, 0.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 112, 39) }
```

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

```
.background{ background-color: rgb(165,  
112, 39) }
```

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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