

Converting Colors

$Y_{xy}(18.8319, 0.4469, 0.3609)$

Have a look what the booklet for
Yxy(18.8319, 0.4469, 0.3609)
contains.

Yxy(18.7708, 0.4480, 0.3604)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.7708, 0.4480, 0.3604)

Conversions

Conversions Part 1

Format	Color
Hex	AD6550
RGB	173, 101, 80
RGB Percent	68%, 40%, 31%
CMY	0.3216, 0.6039, 0.6863
CMYK	0.00, 0.42, 0.54, 0.32
HSL	14°, 37%, 50%
HSV	14°, 54%, 68%
XYZ	23.3333, 18.7708, 9.9791
YIQ	120.1340, 49.6530, 8.7330

Conversions

Conversions Part 2

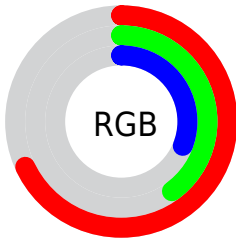
Format	Color
RYB	173, 107, 80
Decimal	11363664
CIELab	50.42, 26.79, 24.34
CIELCh	50, 36.198, 42.257
Yxy	18.7708, 0.4480, 0.3604
Android (android.graphics.Color)	4289553744 (0xFFAD6550)
YUV	120.1340, -19.7861, 46.3635
Hunter-Lab	43.3253, 20.3138, 16.6714

Details

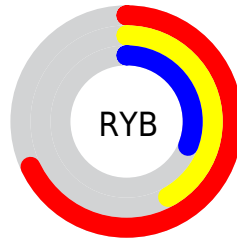
The Yxy color **18.7708, 0.4480, 0.3604** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **27.1657, 0.2377, 0.2926**, and the grayscale version is **18.8805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3564, 0.4169, 0.3569**, and **6.4495, 0.5028, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **16.1564, 0.4863, 0.3641**, and if you desaturate by 10%, it is **21.8765, 0.4134, 0.3551**.

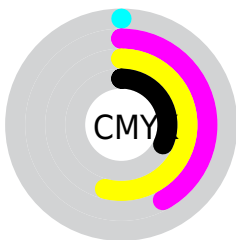
Distribution



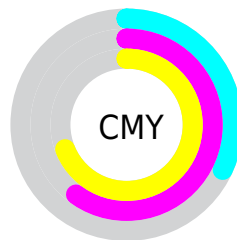
- Red (68%)
- Green (40%)
- Blue (31%)



- Red (68%)
- Yellow (42%)
- Blue (31%)



- Cyan (0%)
- Magenta (42%)
- Yellow (54%)
- Black (32%)



- Cyan (32%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7708, 0.4480, 0.3604 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 18.7708, 0.4480, 0.3604 by changing the saturation by 10% instead.


 18.7708, 0.4480,
0.3604


 18.7708, 0.4480,
0.3604


245.1805, 0.3699,
0.3462


 11.5048, 0.4713,
0.3624


 41.3464, 0.4169,
0.3561


 6.4074, 0.5034,
0.3633


 57.4249, 0.4060,
0.3542

 3.0944, 0.5504,
0.3610

 77.2095, 0.3972,
0.3524

 1.1812, 0.6418,
0.3582

 101.0849, 0.3898,
0.3509

 0.0463, 0.9378,
0.0622

 129.4352, 0.3837,
0.3495

 0.0000, 0.0000,
0.0000

162.6450, 0.3784,

0.3483

201.0987, 0.3739,
0.3472

■ 18.7708, 0.4480,
0.3604

■ 18.7708, 0.4480,
0.3604

■ 16.1564, 0.4863,
0.3641

■ 21.8765, 0.4134,
0.3551

■ 14.0048, 0.5262,
0.3652

■ 25.4943, 0.3833,
0.3491

■ 12.2888, 0.5642,
0.3629

■ 29.6473, 0.3578,
0.3429

■ 10.9769, 0.5957,
0.3568

■ 34.3563, 0.3364,
0.3368

■ 10.3417, 0.6119,
0.3523

■ 39.6410, 0.3186,
0.3311

■ 45.5201, 0.3038,
0.3257

■ 52.0115, 0.2914,
0.3209

■ 59.1323, 0.2810,
0.3164

■ 66.8988, 0.2723,
0.3124

Harmonies

Analogous

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



18.7708, 0.4171, 0.3094



18.7708, 0.4480, 0.3604



18.7708, 0.4370, 0.4104

Triad

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



18.7708, 0.4480, 0.3604



18.7708, 0.2640, 0.4081



18.7708, 0.2302, 0.2237

Complementary

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



18.7708, 0.4480, 0.3604



27.1657, 0.2377, 0.2926

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.



18.7708, 0.1991, 0.2357



18.7708, 0.4480, 0.3604



18.7708, 0.2160, 0.3375

Square

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



18.7708, 0.4480, 0.3604



18.7708, 0.3283, 0.4510



18.7708, 0.1940, 0.2740



18.7708, 0.2850, 0.2347

Rectangle

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



18.7708, 0.4480, 0.3604



18.7708, 0.4098, 0.4376



18.7708, 0.1940, 0.2740



18.7708, 0.2170, 0.2249

Sweetspot

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



18.7718, 0.4480, 0.3604



59.3209, 0.3415, 0.3383



16.9126, 0.3458, 0.2264



12.5226, 0.3456, 0.3395



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



18.7718, 0.4480, 0.3604



27.9515, 0.4957, 0.3646



30.2174, 0.4083, 0.4246



8.2982, 0.3281, 0.3342



7.6718, 0.6102, 0.3537



0.2942, 0.5536, 0.3987

Inverse Universe

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



27.1657, 0.2377, 0.2926



44.4918, 0.2250, 0.2826



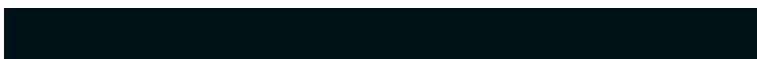
15.0987, 0.2205, 0.2076



8.7603, 0.2986, 0.3238



14.8075, 0.2044, 0.2556



0.4866, 0.2112, 0.2803

Previews

White Background



This preview shows how the Yxy color 18.7708, 0.4480, 0.3604 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 18.7708, 0.4480, 0.3604 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 18.7708, 0.4480, 0.3604

Background



This preview shows how black text looks on a background with the Yxy color 18.7708, 0.4480, 0.3604.



This preview shows how white text looks on a background with the Yxy color 18.7708, 0.4480, 0.3604.

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

18.7708, 0.4480, 0.3604

Protanopia

18.8046, 0.3632, 0.3895

Deuteranopia

18.8170, 0.4022, 0.3952



Tritanopia

18.8692, 0.4157, 0.3189

Trichromacy



Original Color

18.7708, 0.4480, 0.3604

Protanomaly

18.4859, 0.3934, 0.3784

Deuteranomaly

18.6705, 0.4188, 0.3820

Tritanomaly

18.7669, 0.4274, 0.3338

Monochromacy



Original Color

18.7708, 0.4480, 0.3604

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.3191, 0.3583, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7708, 0.4480, 0.3604 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(173, 101, 80)` looks like.

```
.text, #text, p{  
    color:rgb(173, 101, 80)  
}
```

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(173, 101, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 101, 80) }
```

Border

The CSS property to change the border of an element to Yxy 18.7708, 0.4480, 0.3604 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(173, 101, 80) }
```

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

```
.border{ border-color:rgb(173, 101, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 101, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 101, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 101, 80);  
box-shadow:4px 4px 4px 4px rgb(173, 101,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7708, 0.4480, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 101, 80) }
```

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

```
.background{ background-color: rgb(173,  
101, 80) }
```

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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