

Converting Colors

$Y_{xy}(22.0919, 0.4457, 0.4440)$

Have a look what the booklet for
Yxy(22.0919, 0.4457, 0.4440)
contains.

Yxy(22.0707, 0.4458, 0.4440)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.0707, 0.4458, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	A07C2C
RGB	160, 124, 44
RGB Percent	63%, 49%, 17%
CMY	0.3725, 0.5137, 0.8273
CMYK	0.00, 0.22, 0.72, 0.37
HSL	41°, 57%, 40%
HSV	41°, 72%, 63%
XYZ	22.1602, 22.0707, 5.4779
YIQ	125.6440, 47.1360, -17.2480

Conversions

Conversions Part 2

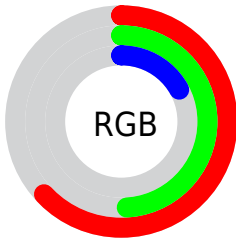
Format	Color
RYB	96, 160, 44
Decimal	10517548
CIELab	54.10, 5.57, 47.03
CIELCh	54, 47.362, 83.240
Yxy	22.0707, 0.4458, 0.4440
Android (android.graphics.Color)	4288707628 (0xFFA07C2C)
YUV	125.6440, -40.2505, 30.1302
Hunter-Lab	46.9795, 1.9842, 25.9723

Details

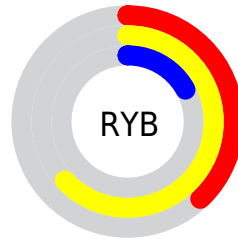
The Yxy color **22.0707, 0.4458, 0.4440** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.8161, 0.1917, 0.1648**, and the grayscale version is **20.8657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7642, 0.4209, 0.4236**, and **8.1721, 0.4747, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **20.7599, 0.4627, 0.4508**, and if you desaturate by 10%, it is **23.4927, 0.4269, 0.4331**.

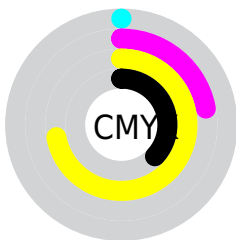
Distribution



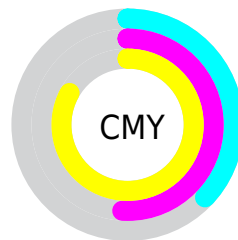
- Red (63%)
- Green (49%)
- Blue (17%)



- Red (38%)
- Yellow (63%)
- Blue (17%)



- Cyan (0%)
- Magenta (22%)
- Yellow (72%)
- Black (37%)





- Cyan (37%)
- Magenta (51%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0707, 0.4458, 0.4440 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 22.0707, 0.4458, 0.4440 by changing the saturation by 10% instead.


 22.0707, 0.4458,
0.4440


 22.0707, 0.4458,
0.4440


 262.9153, 0.3752,
0.3853

 13.9089, 0.4625,
0.4565


 46.8628, 0.4201,
0.4235


 8.0573, 0.4821,
0.4699

 64.2619, 0.4104,
0.4155


 4.1316, 0.5111,
0.4889

 85.5088, 0.4021,
0.4085

 1.7475, 0.5188,
0.4812

 110.9880, 0.3951,
0.4025

 0.4541, 0.5556,
0.4444

 141.0839, 0.3891,
0.3974

 0.0000, 0.0000,
0.0000

 176.1808, 0.3838,

0.3928

216.6631, 0.3792,
0.3888

■ 22.0707, 0.4458,
0.4440

■ 22.0707, 0.4458,
0.4440

■ 20.7599, 0.4627,
0.4508

■ 23.4927, 0.4269,
0.4331

■ 19.5506, 0.4769,
0.4528

■ 25.0285, 0.4071,
0.4190

■ 18.6979, 0.4862,
0.4521

■ 26.6841, 0.3871,
0.4027

■ 28.4641, 0.3676,
0.3853

■ 30.3729, 0.3492,
0.3675

■ 32.4143, 0.3320,
0.3499

■ 34.5922, 0.3164,
0.3331

■ 36.9102, 0.3022,
0.3171

■ 39.3715, 0.2894,
0.3022

Harmonies

Analogous

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



22.0707, 0.4792, 0.3853



22.0707, 0.4458, 0.4440



22.0707, 0.3791, 0.4831

Triad

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



22.0707, 0.4458, 0.4440



22.0707, 0.1822, 0.3056



22.0707, 0.3078, 0.2271

Complementary

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



22.0707, 0.4458, 0.4440



8.8161, 0.1917, 0.1648

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.



22.0707, 0.2333, 0.2050



22.0707, 0.4458, 0.4440



22.0707, 0.1693, 0.2394

Square

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



22.0707, 0.4458, 0.4440



22.0707, 0.2273, 0.3973



22.0707, 0.1866, 0.2076



22.0707, 0.3950, 0.2693

Rectangle

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



22.0707, 0.4458, 0.4440



22.0707, 0.3261, 0.4823



22.0707, 0.1866, 0.2076



22.0707, 0.2804, 0.2172

Sweetspot

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



22.0718, 0.4458, 0.4440



55.1675, 0.3491, 0.3674



9.8679, 0.4754, 0.2780



11.9033, 0.3536, 0.3718



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



22.0718, 0.4458, 0.4440



36.3114, 0.4718, 0.4526



30.7908, 0.3842, 0.5006



7.3726, 0.3268, 0.3444



14.6459, 0.4855, 0.4527



0.3333, 0.4538, 0.4779

Inverse Universe

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



8.8161, 0.1917, 0.1648



11.1308, 0.1719, 0.1265



5.4757, 0.1938, 0.1123



6.7545, 0.2988, 0.3131



3.8030, 0.1627, 0.1057



0.1385, 0.1839, 0.1819

Previews

White Background



This preview shows how the Yxy color 22.0707, 0.4458, 0.4440 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 22.0707, 0.4458, 0.4440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

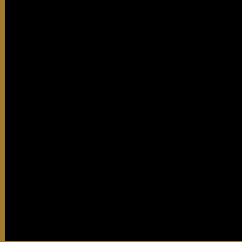
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0707, 0.4458, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 22.0707, 0.4458, 0.4440.



This preview shows how white text looks on a background with the Yxy color 22.0707, 0.4458, 0.4440.

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

22.0707, 0.4458, 0.4440

Protanopia

22.1823, 0.4186, 0.4608

Deuteranopia

22.0291, 0.4495, 0.4413



Tritanopia

22.0784, 0.3664, 0.3151

Trichromacy



Original Color

22.0707, 0.4458, 0.4440

Protanomaly

22.1118, 0.4279, 0.4556

Deuteranomaly

21.9248, 0.4483, 0.4420

Tritanomaly

21.9307, 0.4004, 0.3656

Monochromacy



Original Color

22.0707, 0.4458, 0.4440

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.9150, 0.3630, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0707, 0.4458, 0.4440 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(160, 124, 44)` looks like.

```
.text, #text, p{  
    color:rgb(160, 124, 44)  
}
```

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(160, 124, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 124, 44) }
```

Border

The CSS property to change the border of an element to Yxy 22.0707, 0.4458, 0.4440 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(160, 124, 44) }
```

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

```
.border{ border-color:rgb(160, 124, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 124, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 124, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 124, 44);  
box-shadow:4px 4px 4px 4px rgb(160, 124,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0707, 0.4458, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 124, 44) }
```

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

```
.background{ background-color: rgb(160,  
124, 44) }
```

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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