

Converting Colors

$Y_{xy}(22.2515, 0.4467, 0.4359)$

Have a look what the booklet for
Yxy(22.2515, 0.4467, 0.4359)
contains.

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Color

Yxy(22.1742, 0.4468, 0.4356)

Conversions

Conversions Part 1

Format	Color
Hex	A37B31
RGB	163, 123, 49
RGB Percent	64%, 48%, 19%
CMY	0.3607, 0.5177, 0.8079
CMYK	0.00, 0.25, 0.70, 0.36
HSL	39°, 54%, 42%
HSV	39°, 70%, 64%
XYZ	22.7443, 22.1742, 5.9864
YIQ	126.5240, 47.5940, -14.5340

Conversions

Conversions Part 2

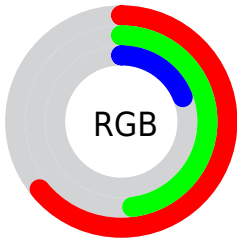
Format	Color
R_{YB}	111, 163, 49
Decimal	10713905
CIE _{Lab}	54.21, 7.78, 45.00
CIE _{LCh}	54, 45.672, 80.187
Yxy	22.1742, 0.4468, 0.4356
Android (android.graphics.Color)	4288903985 (0xFFA37B31)
YUV	126.5240, -38.2193, 31.9895
Hunter-Lab	47.0895, 3.8093, 25.4252

Details

The Yxy color **22.1742, 0.4468, 0.4356** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.4457, 0.1976, 0.1802**, and the grayscale version is **21.1737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9329, 0.4206, 0.4164**, and **8.1580, 0.4804, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **20.6833, 0.4660, 0.4427**, and if you desaturate by 10%, it is **23.8001, 0.4260, 0.4245**.

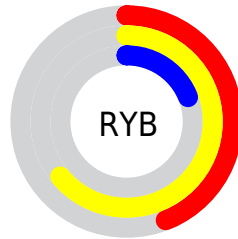
Distribution



Red (64%)

Green (48%)

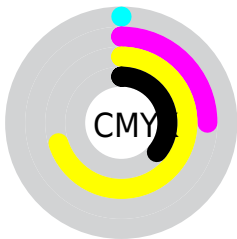
Blue (19%)



Red (44%)

Yellow (64%)

Blue (19%)

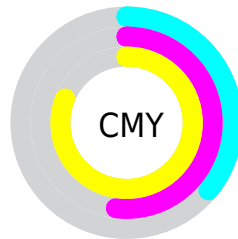


Cyan (0%)

Magenta (25%)

Yellow (70%)

Black (36%)



Cyan (36%)

Magenta (52%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1742, 0.4468, 0.4356 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 22.1742, 0.4468, 0.4356 by changing the saturation by 10% instead.


 22.1742, 0.4468,
0.4356


 22.1742, 0.4468,
0.4356


 263.4546, 0.3750,
0.3814

 13.9850, 0.4644,
0.4471

 47.0337, 0.4204,
0.4168


 8.1102, 0.4854,
0.4593


 64.4728, 0.4104,
0.4093

 4.1655, 0.5202,
0.4798

 85.7640, 0.4021,
0.4029

 1.7666, 0.5308,
0.4692

 111.2916, 0.3950,
0.3974

 0.4662, 0.5759,
0.4241

 141.4401, 0.3889,
0.3926

 0.0000, 0.0000,
0.0000

 176.5938, 0.3836,

0.3884

217.1372, 0.3790,
0.3847

■ 22.1742, 0.4468,
0.4356

■ 22.1742, 0.4468,
0.4356

■ 20.6833, 0.4660,
0.4427

■ 23.8001, 0.4260,
0.4245

■ 19.3170, 0.4827,
0.4451

■ 25.5638, 0.4047,
0.4105

■ 18.0619, 0.4971,
0.4435

■ 27.4722, 0.3837,
0.3947

■ 18.0551, 0.4972,
0.4435

■ 29.5302, 0.3637,
0.3780

■ 31.7427, 0.3451,
0.3611

■ 34.1142, 0.3281,
0.3446

■ 36.6490, 0.3126,
0.3289

■ 39.3510, 0.2988,
0.3141

■ 42.2243, 0.2865,
0.3004

Harmonies

Analogous

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



22.1742, 0.4742, 0.3783



22.1742, 0.4468, 0.4356



22.1742, 0.3850, 0.4755

Triad

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



22.1742, 0.4468, 0.4356



22.1742, 0.1894, 0.3152



22.1742, 0.2999, 0.2270

Complementary

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



22.1742, 0.4468, 0.4356



10.4457, 0.1976, 0.1802

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.



22.1742, 0.2301, 0.2079



22.1742, 0.4468, 0.4356



22.1742, 0.1736, 0.2477

Square

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



22.1742, 0.4468, 0.4356



22.1742, 0.2366, 0.4035



22.1742, 0.1874, 0.2132



22.1742, 0.3838, 0.2664

Rectangle

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



22.1742, 0.4468, 0.4356



22.1742, 0.3342, 0.4781



22.1742, 0.1874, 0.2132



22.1742, 0.2740, 0.2182

Sweetspot

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



22.1753, 0.4468, 0.4356



56.2447, 0.3477, 0.3635



10.7368, 0.4545, 0.2698



12.3957, 0.3525, 0.3679



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.



22.1753, 0.4468, 0.4356



35.6330, 0.4758, 0.4447



32.7013, 0.3891, 0.4926



7.8168, 0.3270, 0.3436



14.1162, 0.4962, 0.4442



0.3801, 0.4624, 0.4711

Inverse Universe

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



10.4457, 0.1976, 0.1802



13.4881, 0.1777, 0.1435



5.9380, 0.1927, 0.1163



7.2477, 0.2987, 0.3140



4.4244, 0.1655, 0.1158



0.1792, 0.1859, 0.1894

Previews

White Background



This preview shows how the Yxy color 22.1742, 0.4468, 0.4356 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 22.1742, 0.4468, 0.4356 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 22.1742, 0.4468, 0.4356

Background



This preview shows how black text looks on a background with the Yxy color 22.1742, 0.4468, 0.4356.



This preview shows how white text looks on a background with the Yxy color 22.1742, 0.4468, 0.4356.

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

22.1742, 0.4468, 0.4356

Protanopia

22.2240, 0.4148, 0.4551

Deuteranopia

22.0691, 0.4455, 0.4363



Tritanopia

22.0415, 0.3707, 0.3153

Trichromacy



Original Color

22.1742, 0.4468, 0.4356

Protanomaly

22.0844, 0.4277, 0.4474

Deuteranomaly

22.0691, 0.4455, 0.4363

Tritanomaly

21.9269, 0.4024, 0.3622

Monochromacy



Original Color

22.1742, 0.4468, 0.4356

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3980, 0.3615, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1742, 0.4468, 0.4356 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(163, 123, 49)` looks like.

```
.text, #text, p{  
    color:rgb(163, 123, 49)  
}
```

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(163, 123, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 123, 49) }
```

Border

The CSS property to change the border of an element to Yxy 22.1742, 0.4468, 0.4356 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(163, 123, 49) }
```

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

```
.border{ border-color:rgb(163, 123, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 123, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 123, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 123, 49);  
box-shadow:4px 4px 4px 4px rgb(163, 123,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1742, 0.4468, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 123, 49) }
```

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

```
.background{ background-color: rgb(163,  
123, 49) }
```

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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