

Converting Colors

$Y_{xy}(22.3357, 0.4427, 0.4355)$

Have a look what the booklet for
Yxy(22.3357, 0.4427, 0.4355)
contains.

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Color

Yxy(22.3357, 0.4427, 0.4355)

Conversions

Conversions Part 1	
Format	Color
Hex	A27C33
RGB	162, 124, 51
RGB Percent	64%, 49%, 20%
CMY	0.3647, 0.5137, 0.8000
CMYK	0.00, 0.23, 0.69, 0.36
HSL	39°, 52%, 42%
HSV	39°, 69%, 64%
XYZ	22.7050, 22.3357, 6.2468
YIQ	127.0400, 46.0810, -14.6470

Conversions

Conversions Part 2

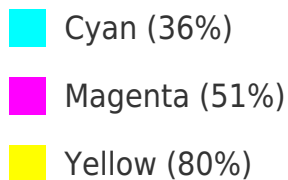
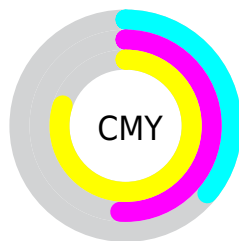
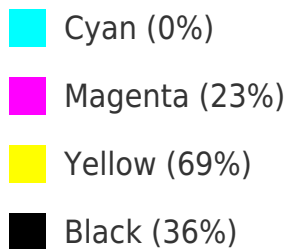
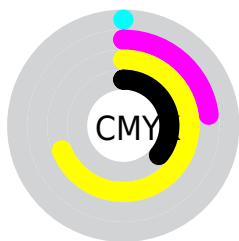
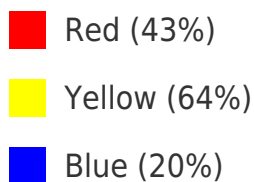
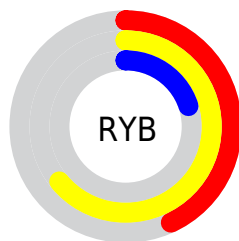
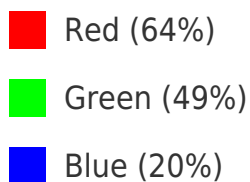
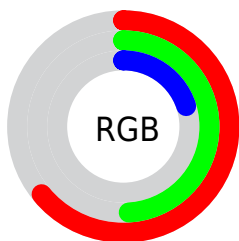
Format	Color
RYB	109, 162, 51
Decimal	10648627
CIELab	54.38, 6.87, 44.21
CIELCh	54, 44.741, 81.165
Yxy	22.3357, 0.4427, 0.4355
Android (android.graphics.Color)	4288838707 (0xFFA27C33)
YUV	127.0400, -37.4877, 30.6599
Hunter-Lab	47.2607, 3.0488, 25.2456

Details

The Yxy color $22.3357, 0.4427, 0.4355$ is a dark color, and the websafe version is hex 996633 . A complement of this color would be $10.4563, 0.1992, 0.1818$, and the grayscale version is $21.3580, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.2059, 0.4175, 0.4158$, and $8.1580, 0.4804, 0.4568$ is the 20% darker color. If you saturate the color by 10%, you get $20.8669, 0.4618, 0.4434$, and if you desaturate by 10%, it is $23.9346, 0.4221, 0.4238$.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3357, 0.4427, 0.4355 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 22.3357, 0.4427, 0.4355 by changing the saturation by 10% instead.


 22.3357, 0.4427,
0.4355


 22.3357, 0.4427,
0.4355


 264.2944, 0.3730,
0.3810


 14.1038, 0.4598,
0.4474


 47.3002, 0.4170,
0.4164

 8.1929, 0.4804,
0.4603


 64.8016, 0.4074,
0.4088


 4.2186, 0.5163,
0.4837


 86.1616, 0.3993,
0.4024

 1.7966, 0.5256,
0.4744

 111.7646, 0.3924,
0.3969

 0.4850, 0.5645,
0.4355

 141.9949, 0.3865,
0.3921

 0.0000, 0.0000,
0.0000


 177.2371, 0.3814,


0.3879


217.8755, 0.3770,
0.3843

 22.3357, 0.4427,
0.4355


 22.3357, 0.4427,
0.4355


 20.8669, 0.4618,
0.4434


 23.9346, 0.4221,
0.4238


 19.5182, 0.4786,
0.4467


 25.6663, 0.4011,
0.4093

 18.2793, 0.4927,
0.4456

 27.5372, 0.3804,
0.3931

 18.1023, 0.4948,
0.4454

 29.5522, 0.3608,
0.3761

 31.7158, 0.3425,
0.3591

■ 34.0324, 0.3257,
0.3425

■ 36.5061, 0.3106,
0.3267

■ 39.1407, 0.2970,
0.3119

■ 41.9400, 0.2848,
0.2981

Harmonies

Analogous

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



22.3357, 0.4706, 0.3797



22.3357, 0.4427, 0.4355



22.3357, 0.3815, 0.4730

Triad

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



22.3357, 0.4427, 0.4355



22.3357, 0.1909, 0.3131



22.3357, 0.3028, 0.2299

Complementary

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



22.3357, 0.4427, 0.4355



10.4563, 0.1992, 0.1818

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.



22.3357, 0.2337, 0.2104



22.3357, 0.4427, 0.4355



22.3357, 0.1762, 0.2480

Square

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



22.3357, 0.4427, 0.4355



22.3357, 0.2364, 0.3989



22.3357, 0.1907, 0.2149



22.3357, 0.3849, 0.2693

Rectangle

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



22.3357, 0.4427, 0.4355



22.3357, 0.3316, 0.4739



22.3357, 0.1907, 0.2149



22.3357, 0.2773, 0.2210

Sweetspot

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



22.3368, 0.4427, 0.4355



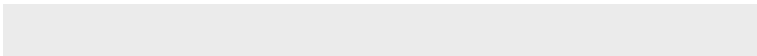
56.4199, 0.3476, 0.3640



10.7847, 0.4539, 0.2731



12.4393, 0.3524, 0.3684



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.



22.3368, 0.4427, 0.4355



36.6222, 0.4706, 0.4457



32.1296, 0.3862, 0.4914



7.8270, 0.3269, 0.3437



14.3445, 0.4939, 0.4460



0.3838, 0.4612, 0.4720

Inverse Universe

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



10.4563, 0.1992, 0.1818



13.7919, 0.1794, 0.1458



6.1931, 0.1970, 0.1212



7.2379, 0.2987, 0.3138



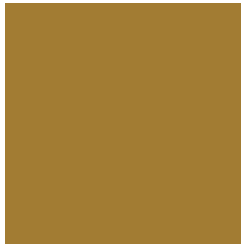
4.3151, 0.1649, 0.1135



0.1758, 0.1853, 0.1869

Previews

White Background



This preview shows how the Yxy color 22.3357, 0.4427, 0.4355 looks on a white background.

Color Contrast Check

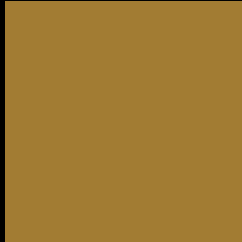
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3357, 0.4427, 0.4355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

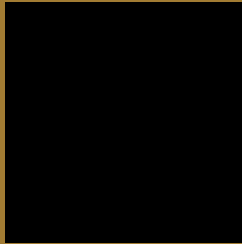
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3357, 0.4427, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 22.3357, 0.4427, 0.4355.



This preview shows how white text looks on a background with the Yxy color 22.3357, 0.4427, 0.4355.

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

22.3357, 0.4427, 0.4355

Protanopia

22.5094, 0.4122, 0.4540

Deuteranopia

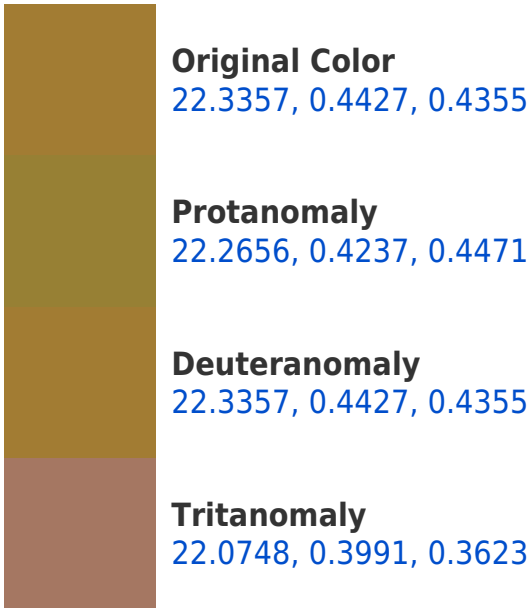
22.3357, 0.4427, 0.4355



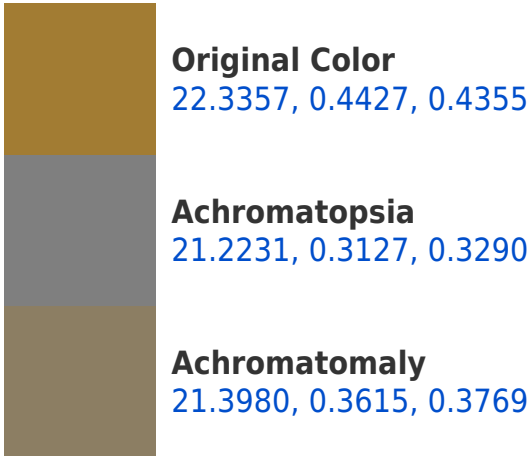
Tritanopia

22.1869, 0.3677, 0.3152

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3357, 0.4427, 0.4355 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(162, 124, 51)` looks like.

```
.text, #text, p{  
    color:rgb(162, 124, 51)  
}
```

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(162, 124, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 124, 51) }
```

Border

The CSS property to change the border of an element to Yxy 22.3357, 0.4427, 0.4355 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(162, 124, 51) }
```

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

```
.border{ border-color:rgb(162, 124, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 124, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 124, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 124, 51);  
box-shadow:4px 4px 4px 4px rgb(162, 124,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3357, 0.4427, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 124, 51) }
```

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

```
.background{ background-color: rgb(162,  
124, 51) }
```

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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