

Converting Colors

$Y_{xy}(22.4321, 0.4448, 0.4359)$

Have a look what the booklet for
Yxy(22.4321, 0.4448, 0.4359)
contains.

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Color

Yxy(22.4321, 0.4448, 0.4359)

Conversions

Conversions Part 1

Format	Color
Hex	A37C32
RGB	163, 124, 50
RGB Percent	64%, 49%, 20%
CMY	0.3607, 0.5137, 0.8040
CMYK	0.00, 0.24, 0.69, 0.36
HSL	39°, 53%, 42%
HSV	39°, 69%, 64%
XYZ	22.8901, 22.4321, 6.1394
YIQ	127.2250, 46.9980, -14.7460

Conversions

Conversions Part 2

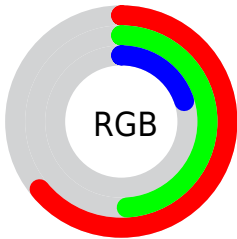
Format	Color
R_{YB}	110, 163, 50
Decimal	10714162
CIE _{Lab}	54.48, 7.28, 44.83
CIE _{LCh}	54, 45.416, 80.780
Yxy	22.4321, 0.4448, 0.4359
Android (android.graphics.Color)	4288904242 (0xFFFA37C32)
YUV	127.2250, -38.0719, 31.3747
Hunter-Lab	47.3625, 3.3838, 25.4683

Details

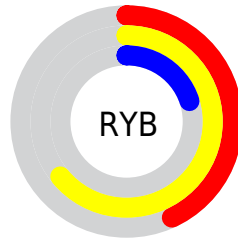
The Yxy color **22.4321, 0.4448, 0.4359** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.4689, 0.1981, 0.1804**, and the grayscale version is **21.4268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3429, 0.4191, 0.4165**, and **8.1580, 0.4804, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **20.9462, 0.4639, 0.4434**, and if you desaturate by 10%, it is **24.0508, 0.4242, 0.4245**.

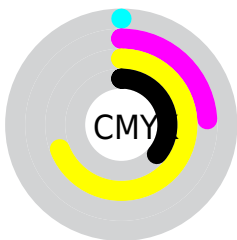
Distribution



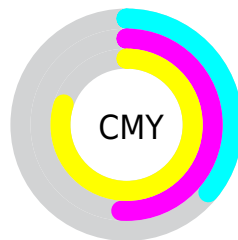
- Red (64%)
- Green (49%)
- Blue (20%)



- Red (43%)
- Yellow (64%)
- Blue (20%)



- Cyan (0%)
- Magenta (24%)
- Yellow (69%)
- Black (36%)




- Cyan (36%)
- Magenta (51%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4321, 0.4448, 0.4359 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 22.4321, 0.4448, 0.4359 by changing the saturation by 10% instead.


 22.4321, 0.4448,
0.4359


 22.4321, 0.4448,
0.4359


264.7946, 0.3741,
0.3815


 14.1747, 0.4621,
0.4476


 47.4591, 0.4188,
0.4169

 8.2423, 0.4827,
0.4601


 64.9976, 0.4091,
0.4094

 4.2504, 0.5179,
0.4821

 86.3986, 0.4008,
0.4030

 1.8146, 0.5277,
0.4723

 112.0464, 0.3939,
0.3974

 0.4962, 0.5668,
0.4332

 142.3255, 0.3879,
0.3926

 0.0000, 0.0000,
0.0000

 177.6203, 0.3827,

0.3884

218.3152, 0.3781,
0.3847

■ 22.4321, 0.4448,
0.4359

■ 22.4321, 0.4448,
0.4359

■ 20.9462, 0.4639,
0.4434

■ 24.0508, 0.4242,
0.4245

■ 19.5828, 0.4805,
0.4462

■ 25.8052, 0.4030,
0.4102

■ 18.3300, 0.4946,
0.4448

■ 27.7017, 0.3823,
0.3942

■ 18.2497, 0.4956,
0.4447

■ 29.7455, 0.3624,
0.3773

■ 31.9412, 0.3440,
0.3604

■ 34.2932, 0.3271,
0.3438

■ 36.8059, 0.3117,
0.3280

■ 39.4831, 0.2980,
0.3131

■ 42.3286, 0.2858,
0.2993

Harmonies

Analogous

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



22.4321, 0.4727, 0.3793



22.4321, 0.4448, 0.4359



22.4321, 0.3831, 0.4746

Triad

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



22.4321, 0.4448, 0.4359



22.4321, 0.1899, 0.3138



22.4321, 0.3016, 0.2284

Complementary

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



22.4321, 0.4448, 0.4359



10.4689, 0.1981, 0.1804

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.



22.4321, 0.2319, 0.2090



22.4321, 0.4448, 0.4359



22.4321, 0.1746, 0.2475

Square

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



22.4321, 0.4448, 0.4359



22.4321, 0.2361, 0.4010



22.4321, 0.1890, 0.2138



22.4321, 0.3848, 0.2679

Rectangle

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



22.4321, 0.4448, 0.4359



22.4321, 0.3326, 0.4763



22.4321, 0.1890, 0.2138



22.4321, 0.2759, 0.2195

Sweetspot

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



22.4332, 0.4448, 0.4359



56.3608, 0.3476, 0.3638



10.7991, 0.4567, 0.2729



12.4246, 0.3524, 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.



22.4332, 0.4448, 0.4359



36.2073, 0.4729, 0.4455



32.5476, 0.3867, 0.4928



7.8236, 0.3269, 0.3437



14.2671, 0.4947, 0.4454



0.3826, 0.4616, 0.4717

Inverse Universe

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



10.4689, 0.1981, 0.1804



13.5908, 0.1784, 0.1443



6.1164, 0.1954, 0.1188



7.2412, 0.2987, 0.3139



4.3516, 0.1651, 0.1143



0.1770, 0.1855, 0.1877

Previews

White Background



This preview shows how the Yxy color 22.4321, 0.4448, 0.4359 looks on a white background.

Color Contrast Check

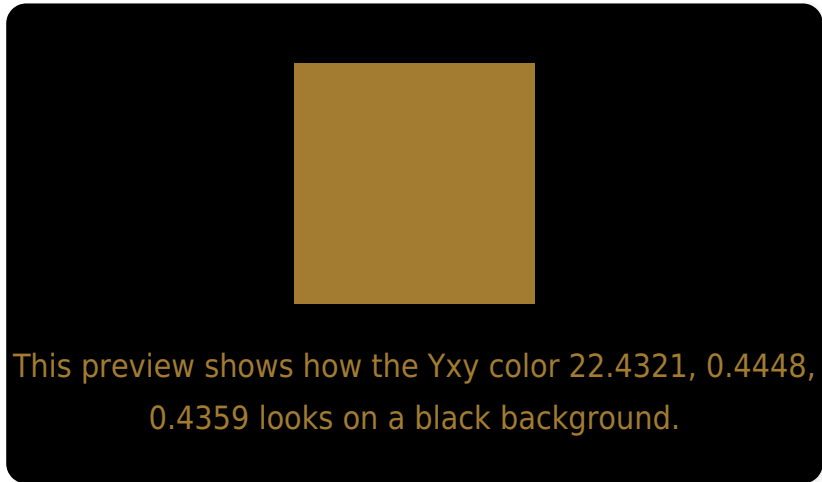
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

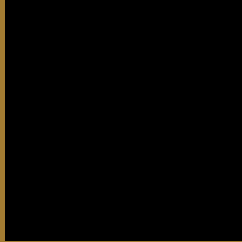
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4321, 0.4448, 0.4359

Background



This preview shows how black text looks on a background with the Yxy color 22.4321, 0.4448, 0.4359.



This preview shows how white text looks on a background with the Yxy color 22.4321, 0.4448, 0.4359.

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

22.4321, 0.4448, 0.4359

Protanopia

22.5915, 0.4142, 0.4545

Deuteranopia

22.4321, 0.4448, 0.4359



Tritanopia

22.2963, 0.3690, 0.3153

Trichromacy



Original Color

22.4321, 0.4448, 0.4359

Protanomaly

22.3528, 0.4258, 0.4476

Deuteranomaly

22.4321, 0.4448, 0.4359

Tritanomaly

22.1825, 0.4004, 0.3621

Monochromacy



Original Color

22.4321, 0.4448, 0.4359

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 22.4321, 0.4448, 0.4359 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, 124, 50)` looks like.

```
.text, #text, p{  
    color:rgb(163, 124, 50)  
}
```

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, 124, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 124, 50) }
```

Border

The CSS property to change the border of an element to Yxy 22.4321, 0.4448, 0.4359 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, 124, 50) }
```

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

```
.border{ border-color:rgb(163, 124, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 124, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 124, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 124, 50);  
box-shadow:4px 4px 4px 4px rgb(163, 124,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4321, 0.4448, 0.4359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 124, 50) }
```

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

```
.background{ background-color: rgb(163,  
124, 50) }
```

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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