

Converting Colors

$Y_{xy}(22.4524, 0.4458, 0.4369)$

Have a look what the booklet for
Yxy(22.4524, 0.4458, 0.4369)
contains.

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Color

Yxy(22.4236, 0.4456, 0.4369)

Conversions

Conversions Part 1

Format	Color
Hex	A37C31
RGB	163, 124, 49
RGB Percent	64%, 49%, 19%
CMY	0.3607, 0.5137, 0.8078
CMYK	0.00, 0.24, 0.70, 0.36
HSL	39°, 54%, 42%
HSV	39°, 70%, 64%
XYZ	22.8701, 22.4236, 6.0306
YIQ	127.1110, 47.3190, -15.0570

Conversions

Conversions Part 2

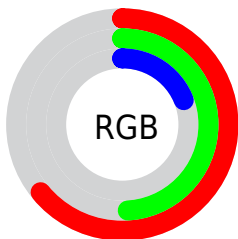
Format	Color
R_{YB}	108, 163, 49
Decimal	10714161
CIE _{Lab}	54.47, 7.22, 45.27
CIE _{LCh}	54, 45.842, 80.932
Yxy	22.4236, 0.4456, 0.4369
Android (android.graphics.Color)	4288904241 (0xFFA37C31)
YUV	127.1110, -38.5087, 31.4747
Hunter-Lab	47.3536, 3.3405, 25.5967

Details

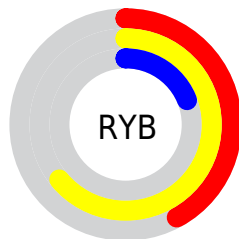
The Yxy color **22.4236, 0.4456, 0.4369** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.2862, 0.1971, 0.1782**, and the grayscale version is **21.3880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3237, 0.4199, 0.4175**, and **8.1580, 0.4804, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **20.9515, 0.4645, 0.4442**, and if you desaturate by 10%, it is **24.0268, 0.4251, 0.4256**.

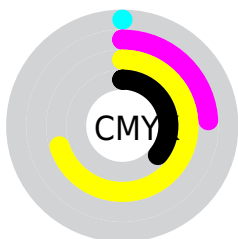
Distribution



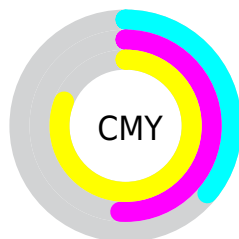
- Red (64%)
- Green (49%)
- Blue (19%)



- Red (42%)
- Yellow (64%)
- Blue (19%)



- Cyan (0%)
- Magenta (24%)
- Yellow (70%)
- Black (36%)




- Cyan (36%)
- Magenta (51%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4236, 0.4456, 0.4369 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 22.4236, 0.4456, 0.4369 by changing the saturation by 10% instead.


 22.4236, 0.4456,
0.4369


 22.4236, 0.4456,
0.4369


264.7505, 0.3746,
0.3820

 14.1685, 0.4629,
0.4486


 47.4451, 0.4196,
0.4178


 8.2379, 0.4834,
0.4611


 64.9803, 0.4097,
0.4102


 4.2476, 0.5177,
0.4823

 86.3777, 0.4015,
0.4038

 1.8130, 0.5274,
0.4726

 112.0216, 0.3945,
0.3982

 0.4953, 0.5665,
0.4335

 142.2964, 0.3884,
0.3933

 0.0000, 0.0000,
0.0000

 177.5866, 0.3832,

0.3891

218.2765, 0.3786,
0.3853

■ 22.4236, 0.4456,
0.4369

■ 22.4236, 0.4456,
0.4369

■ 20.9515, 0.4645,
0.4442

■ 24.0268, 0.4251,
0.4256

■ 19.6004, 0.4808,
0.4468

■ 25.7640, 0.4041,
0.4115

■ 18.3570, 0.4947,
0.4453

■ 27.6418, 0.3834,
0.3955

■ 18.3485, 0.4948,
0.4453

■ 29.6652, 0.3635,
0.3785

■ 31.8389, 0.3450,
0.3615

■ 34.1672, 0.3280,
0.3448

■ 36.6545, 0.3126,
0.3289

■ 39.3046, 0.2988,
0.3139

■ 42.1214, 0.2864,
0.3000

Harmonies

Analogous

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



22.4236, 0.4741, 0.3798



22.4236, 0.4456, 0.4369



22.4236, 0.3832, 0.4761

Triad

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



22.4236, 0.4456, 0.4369



22.4236, 0.1887, 0.3131



22.4236, 0.3019, 0.2278

Complementary

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



22.4236, 0.4456, 0.4369



10.2862, 0.1971, 0.1782

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.



22.4236, 0.2315, 0.2081



22.4236, 0.4456, 0.4369



22.4236, 0.1736, 0.2465

Square

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



22.4236, 0.4456, 0.4369



22.4236, 0.2351, 0.4013



22.4236, 0.1881, 0.2128



22.4236, 0.3859, 0.2676

Rectangle

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



22.4236, 0.4456, 0.4369



22.4236, 0.3322, 0.4777



22.4236, 0.1881, 0.2128



22.4236, 0.2759, 0.2187

Sweetspot

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



22.4247, 0.4456, 0.4369



56.4185, 0.3476, 0.3640



10.7073, 0.4586, 0.2727



12.4389, 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.



22.4247, 0.4456, 0.4369



36.1239, 0.4740, 0.4463



32.5282, 0.3871, 0.4938



7.8269, 0.3269, 0.3437



14.3426, 0.4939, 0.4460



0.3838, 0.4612, 0.4720

Inverse Universe

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



10.2862, 0.1971, 0.1782



13.2093, 0.1771, 0.1413



6.0060, 0.1944, 0.1171



7.2380, 0.2987, 0.3138



4.3159, 0.1649, 0.1135



0.1758, 0.1853, 0.1869

Previews

White Background



This preview shows how the Yxy color 22.4236, 0.4456, 0.4369 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 22.4236, 0.4456, 0.4369 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 22.4236, 0.4456, 0.4369

Background



This preview shows how black text looks on a background with the Yxy color 22.4236, 0.4456, 0.4369.



This preview shows how white text looks on a background with the Yxy color 22.4236, 0.4456, 0.4369.

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

22.4236, 0.4456, 0.4369

Protanopia

22.5826, 0.4150, 0.4557

Deuteranopia

22.4236, 0.4456, 0.4369



Tritanopia

22.2963, 0.3690, 0.3153

Trichromacy



Original Color

22.4236, 0.4456, 0.4369

Protanomaly

22.3440, 0.4266, 0.4487

Deuteranomaly

22.4236, 0.4456, 0.4369

Tritanomaly

22.1637, 0.4017, 0.3637

Monochromacy



Original Color

22.4236, 0.4456, 0.4369

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 22.4236, 0.4456, 0.4369 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(163, 124, 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, 124, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 124, 49) }
```

Border

The CSS property to change the border of an element to Yxy 22.4236, 0.4456, 0.4369 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, 49) }
```

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

```
.border{ border-color:rgb(163, 124, 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, 124, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 124, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 124, 49);  
box-shadow:4px 4px 4px 4px rgb(163, 124,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4236, 0.4456, 0.4369 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, 49) }
```

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

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