

Converting Colors

$Y_{xy}(33.9596, 0.4224, 0.4505)$

Have a look what the booklet for
Yxy(33.9596, 0.4224, 0.4505)
contains.

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Color

Yxy(33.9596, 0.4224, 0.4505)

Conversions

Conversions Part 1

Format	Color
Hex	B59C3F
RGB	181, 156, 63
RGB Percent	71%, 61%, 25%
CMY	0.2902, 0.3882, 0.7529
CMYK	0.00, 0.14, 0.65, 0.29
HSL	47°, 48%, 48%
HSV	47°, 65%, 71%
XYZ	31.8414, 33.9596, 9.5811
YIQ	152.8730, 44.7530, -23.6230

Conversions

Conversions Part 2

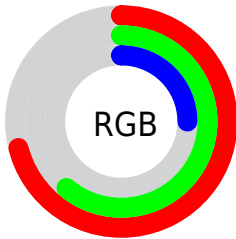
Format	Color
R _Y B	95, 181, 63
Decimal	11902015
CIE Lab	64.93, -1.58, 50.58
CIE LCh	65, 50.603, 91.788
Yxy	33.9596, 0.4224, 0.4505
Android (android.graphics.Color)	4290092095 (0xFFB59C3F)
YUV	152.8730, -44.3074, 24.6674
Hunter-Lab	58.2749, -4.4487, 31.0445

Details

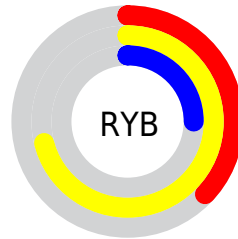
The Yxy color **33.9596, 0.4224, 0.4505** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.3735, 0.1971, 0.1615**, and the grayscale version is **31.9802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6817, 0.4033, 0.4291**, and **14.4719, 0.4481, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **32.5245, 0.4370, 0.4618**, and if you desaturate by 10%, it is **35.5051, 0.4059, 0.4356**.

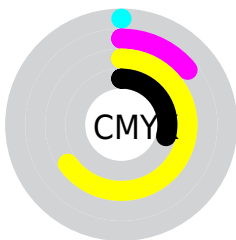
Distribution



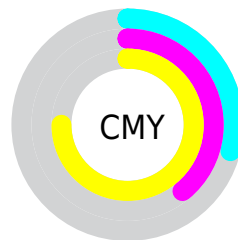
- Red (71%)
- Green (61%)
- Blue (25%)



- Red (37%)
- Yellow (71%)
- Blue (25%)



- Cyan (0%)
- Magenta (14%)
- Yellow (65%)
- Black (29%)





- Cyan (29%)
- Magenta (39%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9596, 0.4224, 0.4505 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 33.9596, 0.4224, 0.4505 by changing the saturation by 10% instead.


 33.9596, 0.4224,
0.4505


 33.9596, 0.4224,
0.4505


319.9519, 0.3684,
0.3901

 22.8626, 0.4342,
0.4640


 65.8708, 0.4037,
0.4294


 14.4921, 0.4476,
0.4796


 87.4538, 0.3963,
0.4212


 8.4637, 0.4628,
0.4976

 113.3009, 0.3900,
0.4141

 4.3931, 0.4806,
0.5194

 143.7965, 0.3845,
0.4080

 1.8958, 0.4784,
0.5216

 179.3250, 0.3797,
0.4026

 0.5458, 0.4680,
0.5320

220.2708, 0.3755,

 0.0000, 0.0000,

0.3979

0.0000

267.0183, 0.3717,
0.3938

■ 33.9596, 0.4224,
0.4505

■ 33.9596, 0.4224,
0.4505

■ 32.5245, 0.4370,
0.4618

■ 35.5051, 0.4059,
0.4356

■ 31.1877, 0.4492,
0.4686

■ 37.1624, 0.3884,
0.4180

■ 29.9421, 0.4585,
0.4709

■ 38.9386, 0.3706,
0.3987

■ 29.3658, 0.4624,
0.4711

■ 40.8389, 0.3530,
0.3786

■ 42.8681, 0.3362,
0.3584

■ 45.0305, 0.3204,
0.3388

■ 47.3302, 0.3058,
0.3201

■ 49.7713, 0.2925,
0.3025

■ 52.3574, 0.2804,
0.2862

Harmonies

Analogous

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



33.9596, 0.4634, 0.3996



33.9596, 0.4224, 0.4505



33.9596, 0.3550, 0.4741

Triad

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



33.9596, 0.4224, 0.4505



33.9596, 0.1840, 0.2873



33.9596, 0.3314, 0.2431

Complementary

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



33.9596, 0.4224, 0.4505



11.3735, 0.1971, 0.1615

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.



33.9596, 0.2564, 0.2163



33.9596, 0.4224, 0.4505



33.9596, 0.1799, 0.2342

Square

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



33.9596, 0.4224, 0.4505



33.9596, 0.2184, 0.3676



33.9596, 0.2042, 0.2120



33.9596, 0.4101, 0.2874

Rectangle

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



33.9596, 0.4224, 0.4505



33.9596, 0.3048, 0.4610



33.9596, 0.2042, 0.2120



33.9596, 0.3047, 0.2319

Sweetspot

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



33.9612, 0.4224, 0.4505



74.8789, 0.3448, 0.3688



14.0941, 0.4752, 0.2961



15.9691, 0.3495, 0.3744



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.9612, 0.4224, 0.4505



57.2466, 0.4424, 0.4651



39.6608, 0.3694, 0.4956



9.5950, 0.3268, 0.3468



20.3482, 0.4618, 0.4716



0.7169, 0.4478, 0.4826

Inverse Universe

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



11.3735, 0.1971, 0.1615



14.0700, 0.1756, 0.1234



9.4036, 0.2168, 0.1360



8.5123, 0.2985, 0.3105



3.3550, 0.1566, 0.0837



0.1896, 0.1709, 0.1353

Previews

White Background



This preview shows how the Yxy color 33.9596, 0.4224, 0.4505 looks on a white background.

Color Contrast Check

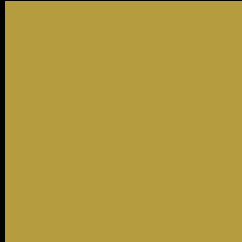
Large Text (above 18pt) WCAG AA × Fail

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 33.9596, 0.4224, 0.4505 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 ✓ Pass

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

Yxy 33.9596, 0.4224, 0.4505

Background



This preview shows how black text looks on a background with the Yxy color 33.9596, 0.4224, 0.4505.

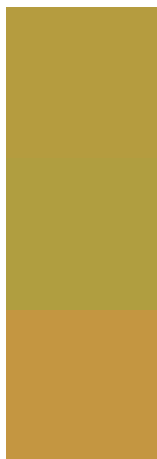


This preview shows how white text looks on a background with the Yxy color 33.9596, 0.4224, 0.4505.

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

33.9596, 0.4224, 0.4505

Protanopia

34.0540, 0.4147, 0.4547

Deuteranopia

33.9301, 0.4423, 0.4334



Tritanopia

33.8452, 0.3460, 0.3128

Trichromacy



Original Color

33.9596, 0.4224, 0.4505

Protanomaly

33.9491, 0.4177, 0.4524

Deuteranomaly

33.9030, 0.4359, 0.4394

Tritanomaly

33.6819, 0.3782, 0.3668

Monochromacy



Original Color

33.9596, 0.4224, 0.4505

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.2538, 0.3547, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9596, 0.4224, 0.4505 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(181, 156, 63)` looks like.

```
.text, #text, p{  
    color:rgb(181, 156, 63)  
}
```

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(181, 156, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 156, 63) }
```

Border

The CSS property to change the border of an element to Yxy 33.9596, 0.4224, 0.4505 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(181, 156, 63) }
```

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

```
.border{ border-color:rgb(181, 156, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 156, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 156, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 156, 63);  
box-shadow:4px 4px 4px 4px rgb(181, 156,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9596, 0.4224, 0.4505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 156, 63) }
```

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

```
.background{ background-color: rgb(181,  
156, 63) }
```

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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