

Converting Colors

$Y_{xy}(12.5894, 0.4004, 0.4955)$

Have a look what the booklet for
Yxy(12.5894, 0.4004, 0.4955)
contains.

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Color

Yxy(12.5552, 0.3999, 0.4956)

Conversions

Conversions Part 1

Format	Color
Hex	626816
RGB	98, 104, 22
RGB Percent	38%, 41%, 9%
CMY	0.6157, 0.5921, 0.9138
CMYK	0.06, 0.00, 0.79, 0.59
HSL	64°, 65%, 25%
HSV	64°, 79%, 41%
XYZ	10.1308, 12.5552, 2.6473
YIQ	92.8580, 22.7460, -26.7740

Conversions

Conversions Part 2

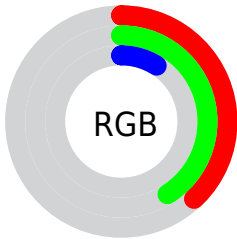
Format	Color
R_{YB}	22, 104, 28
Decimal	6449174
CIE _{Lab}	42.09, -13.30, 42.21
CIE _{LCh}	42, 44.253, 107.491
Yxy	12.5552, 0.3999, 0.4956
Android (android.graphics.Color)	4284639254 (0xFF626816)
YUV	92.8580, -34.9330, 4.5095
Hunter-Lab	35.4333, -10.9731, 20.3736

Details

The Yxy color **12.5552, 0.3999, 0.4956** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.8196, 0.1778, 0.0991**, and the grayscale version is **10.9898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4899, 0.3840, 0.4564**, and **3.5792, 0.3982, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **12.4812, 0.4041, 0.5060**, and if you desaturate by 10%, it is **12.6470, 0.3934, 0.4814**.

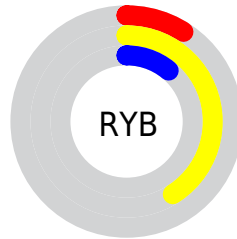
Distribution



 Red (38%)

 Green (41%)

 Blue (9%)




 Red (9%)

 Yellow (41%)

 Blue (11%)

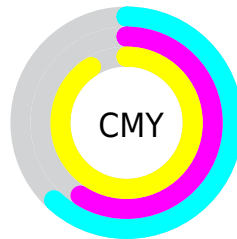


 Cyan (6%)

 Magenta (0%)

 Yellow (79%)

 Black (59%)



 Cyan (62%)


 Magenta (59%)


 Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5552, 0.3999, 0.4956 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 12.5552, 0.3999, 0.4956 by changing the saturation by 10% instead.


 12.5552, 0.3999,
0.4956


 12.5552, 0.3999,
0.4956


208.0470, 0.3533,
0.3960


 7.1230, 0.4083,
0.5242


 30.5023, 0.3838,
0.4557

 3.5391, 0.4245,
0.5755

 43.7860, 0.3772,
0.4417

 1.4193, 0.4013,
0.5987

 60.4557, 0.3716,
0.4304

 0.2309, 0.0000,
1.0000

 80.8957, 0.3668,
0.4210

 0.0000, 0.0000,
0.0000

 105.4904, 0.3627,
0.4132

 134.6243, 0.3592,

0.4066

■ 168.6817, 0.3560,
0.4009

■ 12.5552, 0.3999,
0.4956

■ 12.5552, 0.3999,
0.4956

■ 12.4812, 0.4041,
0.5060

■ 12.6470, 0.3934,
0.4814

■ 12.4164, 0.4069,
0.5140

■ 12.7565, 0.3848,
0.4637

■ 12.4091, 0.4072,
0.5149

■ 12.8859, 0.3744,
0.4432

■ 13.0365, 0.3626,
0.4207

■ 13.2096, 0.3500,
0.3971

■ 13.4062, 0.3370,
0.3731

■ 13.6275, 0.3240,
0.3494

■ 13.8745, 0.3113,
0.3265

■ 14.1480, 0.2991,
0.3047

Harmonies

Analogous

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



12.5552, 0.4699, 0.4417



12.5552, 0.3999, 0.4956



12.5552, 0.3125, 0.4998

Triad

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



12.5552, 0.3999, 0.4956



12.5552, 0.1550, 0.2389



12.5552, 0.3865, 0.2522

Complementary

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



12.5552, 0.3999, 0.4956



1.8196, 0.1778, 0.0991

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.



12.5552, 0.2885, 0.2102



12.5552, 0.3999, 0.4956



12.5552, 0.1678, 0.1985

Square

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



12.5552, 0.3999, 0.4956



12.5552, 0.1746, 0.3196



12.5552, 0.2120, 0.1909



12.5552, 0.4700, 0.3099

Rectangle

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



12.5552, 0.3999, 0.4956



12.5552, 0.2553, 0.4585



12.5552, 0.2120, 0.1909



12.5552, 0.3532, 0.2361

Sweetspot

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



12.5558, 0.3999, 0.4956



23.3111, 0.3446, 0.3870



3.8059, 0.5574, 0.3390



5.6655, 0.3481, 0.3934



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.5558, 0.3999, 0.4956



21.7993, 0.4060, 0.5120



10.8453, 0.3381, 0.5382



3.2582, 0.3241, 0.3495



15.2887, 0.4071, 0.5150



79.5750, 0.4063, 0.5156

Inverse Universe

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



1.8196, 0.1778, 0.0991



2.0120, 0.1568, 0.0675



2.8183, 0.2432, 0.1318



2.7724, 0.3009, 0.3078



1.2864, 0.1539, 0.0622



6.5524, 0.1518, 0.0610

Previews

White Background



This preview shows how the Yxy color 12.5552, 0.3999, 0.4956 looks on a white background.

Color Contrast Check

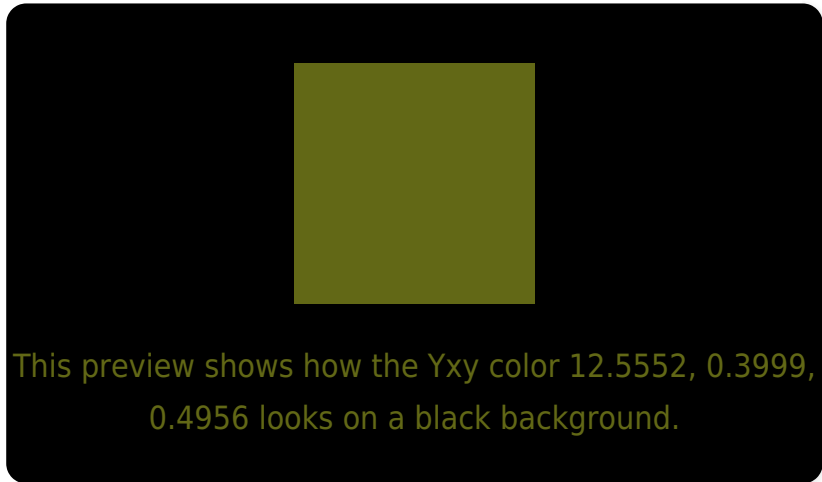
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

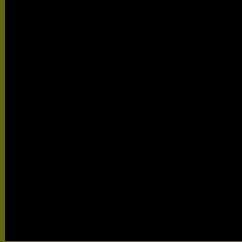
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5552, 0.3999, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 12.5552, 0.3999, 0.4956.



This preview shows how white text looks on a background with the Yxy color 12.5552, 0.3999, 0.4956.

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

12.5552, 0.3999, 0.4956

Protanopia

12.6132, 0.4287, 0.4754

Deuteranopia

12.4445, 0.4541, 0.4465



Tritanopia

12.5521, 0.3149, 0.3138

Trichromacy



Original Color

12.5552, 0.3999, 0.4956

Protanomaly

12.4873, 0.4192, 0.4824

Deuteranomaly

12.4504, 0.4337, 0.4650

Tritanomaly

12.4335, 0.3524, 0.3887

Monochromacy



Original Color

12.5552, 0.3999, 0.4956

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.3875, 0.3527, 0.4013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5552, 0.3999, 0.4956 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(98, 104, 22)` looks like.

```
.text, #text, p{  
    color:rgb(98, 104, 22)  
}
```

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(98, 104, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 104, 22) }
```

Border

The CSS property to change the border of an element to Yxy 12.5552, 0.3999, 0.4956 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(98, 104, 22) }
```

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

```
.border{ border-color:rgb(98, 104, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 104, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 104, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 104, 22);  
box-shadow:4px 4px 4px 4px rgb(98, 104,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5552, 0.3999, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 104, 22) }
```

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

```
.background{ background-color: rgb(98, 104,  
22) }
```

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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