

Converting Colors

$Y_{xy}(12.0717, 0.4121, 0.5110)$

Have a look what the booklet for
Yxy(12.0717, 0.4121, 0.5110)
contains.

Yxy(12.0994, 0.4129, 0.5104)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.0994, 0.4129, 0.5104)

Conversions

Conversions Part 1

Format	Color
Hex	626600
RGB	98, 102, 0
RGB Percent	38%, 40%, 0%
CMY	0.6157, 0.6000, 1.0000
CMYK	0.04, 0.00, 1.00, 0.60
HSL	62°, 100%, 20%
HSV	62°, 100%, 40%
XYZ	9.7881, 12.0994, 1.8182
YIQ	89.1760, 30.3580, -32.5700

Conversions

Conversions Part 2

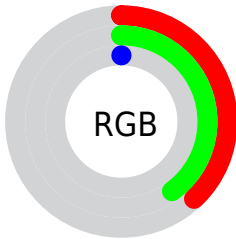
Format	Color
RYB	0, 102, 4
Decimal	6448640
CIELab	41.37, -12.94, 47.80
CIELCh	41, 49.520, 105.144
Yxy	12.0994, 0.4129, 0.5104
Android (android.graphics.Color)	4284638720 (0xFF626600)
YUV	89.1760, -43.9638, 7.7386
Hunter-Lab	34.7842, -10.6434, 21.2497

Details

The Yxy color **12.0994, 0.4129, 0.5104** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **0.9852, 0.1524, 0.0613**, and the grayscale version is **10.1258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7736, 0.3960, 0.4691**, and **3.3367, 0.3975, 0.5225** is the 20% darker color. If you saturate the color by 10%, you get **12.1001, 0.4129, 0.5104**, and if you desaturate by 10%, it is **12.1447, 0.4095, 0.5029**.

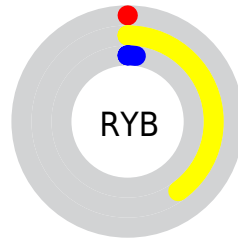
Distribution



Red (38%)

Green (40%)

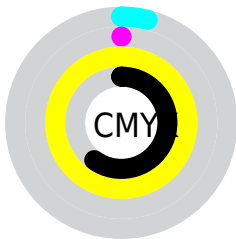
Blue (0%)



Red (0%)

Yellow (40%)

Blue (2%)

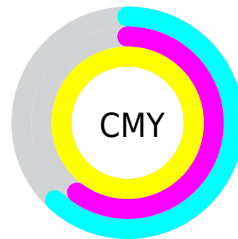


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (62%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0994, 0.4129, 0.5104 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 12.0994, 0.4129, 0.5104 by changing the saturation by 10% instead.


 12.0994, 0.4129,
0.5104


 12.0994, 0.4129,
0.5104


 205.0622, 0.3609,
0.4038


 6.8114, 0.4232,
0.5418


 29.6760, 0.3960,
0.4691


 3.3444, 0.4251,
0.5749

 42.7334, 0.3886,
0.4541


 1.3141, 0.4015,
0.5985

 59.1494, 0.3822,
0.4417

 0.1521, 0.0000,
1.0000

 79.3084, 0.3767,
0.4315


 0.0000, 0.0000,
0.0000


 103.5948, 0.3719,
0.4229


 132.3930, 0.3677,

0.4156


 166.0873, 0.3641,
0.4093


 12.0994, 0.4129,
0.5104


 12.0994, 0.4129,
0.5104


 12.1001, 0.4129,
0.5104

 12.1447, 0.4095,
0.5029

 12.1968, 0.4049,
0.4936

 12.2642, 0.3981,
0.4805

 12.3488, 0.3891,
0.4638

 12.4519, 0.3783,
0.4442

■ 12.5748, 0.3661,
0.4224

■ 12.7189, 0.3530,
0.3992

■ 12.8850, 0.3395,
0.3755

■ 13.0744, 0.3260,
0.3519

Harmonies

Analogous

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



12.0994, 0.4900, 0.4436



12.0994, 0.4129, 0.5104



12.0994, 0.3168, 0.5276

Triad

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



12.0994, 0.4129, 0.5104



12.0994, 0.1397, 0.2320



12.0994, 0.3866, 0.2392

Complementary

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



12.0994, 0.4129, 0.5104



0.9852, 0.1524, 0.0613

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.



12.0994, 0.2768, 0.1956



12.0994, 0.4129, 0.5104



12.0994, 0.1511, 0.1863

Square

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



12.0994, 0.4129, 0.5104



12.0994, 0.1624, 0.3254



12.0994, 0.1957, 0.1767



12.0994, 0.4850, 0.3003

Rectangle

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



12.0994, 0.4129, 0.5104



12.0994, 0.2532, 0.4862



12.0994, 0.1957, 0.1767



12.0994, 0.3486, 0.2223

Sweetspot

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



12.1001, 0.4129, 0.5104



22.2812, 0.3542, 0.4013



2.8988, 0.6353, 0.3338



5.2381, 0.3581, 0.4082



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



12.1001, 0.4129, 0.5104



21.2081, 0.4127, 0.5105



10.1222, 0.3360, 0.5714



3.2627, 0.3245, 0.3494



15.5352, 0.4128, 0.5104



80.9328, 0.4124, 0.5108

Inverse Universe

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



0.9852, 0.1524, 0.0613



1.7160, 0.1518, 0.0610



1.7548, 0.2142, 0.0954



2.7684, 0.3004, 0.3078



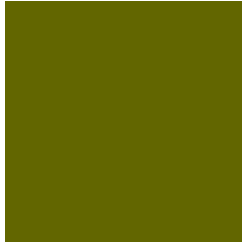
1.2611, 0.1521, 0.0612



6.4872, 0.1509, 0.0605

Previews

White Background



This preview shows how the Yxy color 12.0994, 0.4129, 0.5104 looks on a white background.

Color Contrast Check

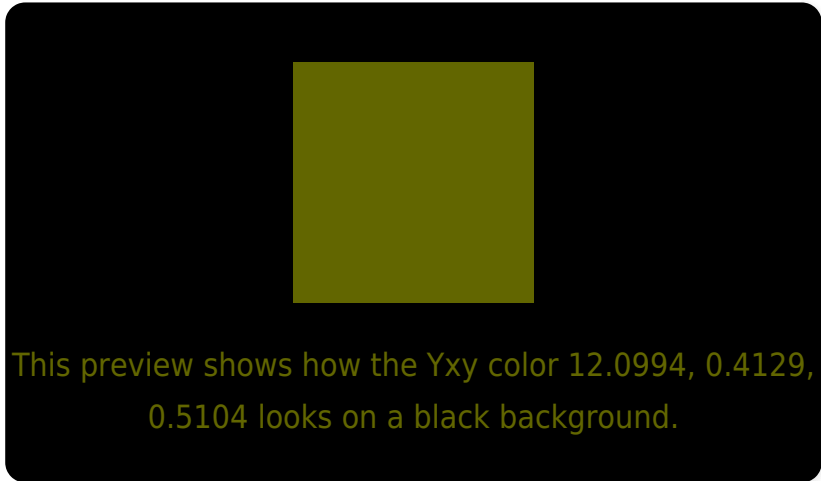
Large Text (above 18pt) WCAG AA ✓ Pass

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

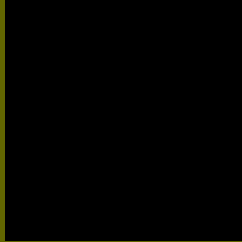
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0994, 0.4129, 0.5104

Background



This preview shows how black text looks on a background with the Yxy color 12.0994, 0.4129, 0.5104.



This preview shows how white text looks on a background with the Yxy color 12.0994, 0.4129, 0.5104.

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

12.0994, 0.4129, 0.5104

Protanopia

12.0504, 0.4389, 0.4897

Deuteranopia

12.0771, 0.4606, 0.4569



Tritanopia

12.1470, 0.3180, 0.3136

Trichromacy



Original Color

12.0994, 0.4129, 0.5104

Protanomaly

11.9879, 0.4307, 0.4962

Deuteranomaly

11.9651, 0.4444, 0.4758

Tritanomaly

11.9418, 0.3664, 0.4051

Monochromacy



Original Color

12.0994, 0.4129, 0.5104

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.5761, 0.3639, 0.4203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0994, 0.4129, 0.5104 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, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 102, 0)  
}
```

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, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.0994, 0.4129, 0.5104 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, 102, 0) }
```

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

```
.border{ border-color:rgb(98, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(98, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 102, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0994, 0.4129, 0.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 102, 0) }
```

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

```
.background{ background-color: rgb(98, 102,  
0) }
```

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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