

Converting Colors

$Y_{xy}(15.7210, 0.4105, 0.5046)$

Have a look what the booklet for
Yxy(15.7210, 0.4105, 0.5046)
contains.

Yxy(15.6629, 0.4104, 0.5046)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6629, 0.4104, 0.5046)

Conversions

Conversions Part 1

Format	Color
Hex	6F730A
RGB	111, 115, 10
RGB Percent	44%, 45%, 4%
CMY	0.5648, 0.5490, 0.9608
CMYK	0.04, 0.00, 0.91, 0.55
HSL	62°, 84%, 25%
HSV	62°, 91%, 45%
XYZ	12.7389, 15.6629, 2.6384
YIQ	101.8340, 31.3210, -33.5030

Conversions

Conversions Part 2

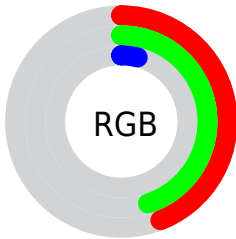
Format	Color
R_{YB}	10, 115, 14
Decimal	7303946
CIE _{Lab}	46.53, -13.64, 49.93
CIE _{LCh}	47, 51.764, 105.281
Yxy	15.6629, 0.4104, 0.5046
Android (android.graphics.Color)	4285494026 (0xFF6F730A)
YUV	101.8340, -45.2742, 8.0386
Hunter-Lab	39.5764, -11.8028, 23.7508

Details

The Yxy color **15.6629, 0.4104, 0.5046** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5484, 0.1591, 0.0728**, and the grayscale version is **13.3550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1497, 0.3949, 0.4671**, and **4.9750, 0.4031, 0.5181** is the 20% darker color. If you saturate the color by 10%, you get **15.6169, 0.4129, 0.5103**, and if you desaturate by 10%, it is **15.7264, 0.4064, 0.4962**.

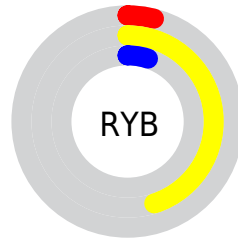
Distribution



Red (44%)

Green (45%)

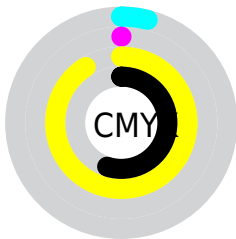
Blue (4%)



Red (4%)

Yellow (45%)

Blue (5%)

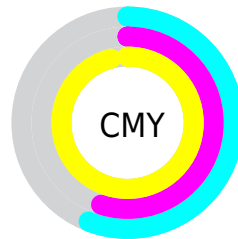


Cyan (4%)

Magenta (0%)

Yellow (91%)

Black (55%)



Cyan (56%)

Magenta (55%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6629, 0.4104, 0.5046 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 15.6629, 0.4104, 0.5046 by changing the saturation by 10% instead.

15.6629, 0.4104,
0.5046

15.6629, 0.4104,
0.5046

227.3443, 0.3611,
0.4046

9.2859, 0.4180,
0.5299

36.0120, 0.3944,
0.4666

4.9282, 0.4298,
0.5702

50.7529, 0.3876,
0.4526

2.2052, 0.4115,
0.5885

69.0506, 0.3816,
0.4410

0.7228, 0.3287,
0.6713


91.2894, 0.3763,
0.4313


0.0000, 0.0000,
0.0000


117.8538, 0.3718,
0.4231


149.1281, 0.3678,


0.4160

 185.4968, 0.3643,
0.4099


 15.6629, 0.4104,
0.5046


 15.6629, 0.4104,
0.5046


 15.6169, 0.4129,
0.5103

 15.7264, 0.4064,
0.4962

 15.8090, 0.4000,
0.4837

 15.9139, 0.3913,
0.4676

 16.0429, 0.3807,
0.4483

 16.1979, 0.3686,
0.4266

■ 16.3805, 0.3554,
0.4034

■ 16.5923, 0.3417,
0.3794

■ 16.8346, 0.3280,
0.3554

■ 17.1087, 0.3145,
0.3320

Harmonies

Analogous

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



15.6629, 0.4844, 0.4417



15.6629, 0.4104, 0.5046



15.6629, 0.3174, 0.5186

Triad

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



15.6629, 0.4104, 0.5046



15.6629, 0.1450, 0.2358



15.6629, 0.3844, 0.2426

Complementary

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



15.6629, 0.4104, 0.5046



1.5484, 0.1591, 0.0728

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.



15.6629, 0.2789, 0.1999



15.6629, 0.4104, 0.5046



15.6629, 0.1562, 0.1909

Square

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



15.6629, 0.4104, 0.5046



15.6629, 0.1674, 0.3257



15.6629, 0.1999, 0.1814



15.6629, 0.4784, 0.3023

Rectangle

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



15.6629, 0.4104, 0.5046



15.6629, 0.2558, 0.4783



15.6629, 0.1999, 0.1814



15.6629, 0.3480, 0.2260

Sweetspot

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



15.6636, 0.4104, 0.5046



29.4579, 0.3505, 0.3947



3.9679, 0.6108, 0.3331



7.0047, 0.3541, 0.4010



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.6636, 0.4104, 0.5046



27.9467, 0.4128, 0.5105



13.2153, 0.3382, 0.5595



4.2595, 0.3249, 0.3500



17.8481, 0.4129, 0.5104



86.8878, 0.4125, 0.5106

Inverse Universe

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



1.5484, 0.1591, 0.0728



2.2538, 0.1515, 0.0608



2.6131, 0.2224, 0.1066



3.5960, 0.3000, 0.3071



1.4454, 0.1519, 0.0611



6.9578, 0.1508, 0.0604

Previews

White Background



This preview shows how the Yxy color 15.6629, 0.4104, 0.5046 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



This preview shows how the Yxy color 15.6629, 0.4104, 0.5046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

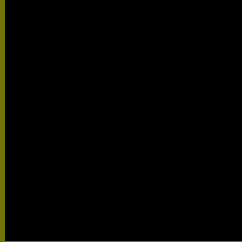
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.6629, 0.4104, 0.5046

Background



This preview shows how black text looks on a background with the Yxy color 15.6629, 0.4104, 0.5046.



This preview shows how white text looks on a background with the Yxy color 15.6629, 0.4104, 0.5046.

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

15.6629, 0.4104, 0.5046

Protanopia

15.6715, 0.4357, 0.4863

Deuteranopia

15.6426, 0.4612, 0.4559



Tritanopia

15.6751, 0.3189, 0.3133

Trichromacy



Original Color

15.6629, 0.4104, 0.5046

Protanomaly

15.5300, 0.4266, 0.4926

Deuteranomaly

15.6418, 0.4429, 0.4740

Tritanomaly

15.4007, 0.3642, 0.3972

Monochromacy



Original Color

15.6629, 0.4104, 0.5046

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.9483, 0.3598, 0.4128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6629, 0.4104, 0.5046 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(111, 115, 10)` looks like.

```
.text, #text, p{  
    color:rgb(111, 115, 10)  
}
```

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(111, 115, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 115, 10) }
```

Border

The CSS property to change the border of an element to Yxy 15.6629, 0.4104, 0.5046 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(111, 115, 10) }
```

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

```
.border{ border-color:rgb(111, 115, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 115, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 115, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 115, 10);  
box-shadow:4px 4px 4px 4px rgb(111, 115,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6629, 0.4104, 0.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 115, 10) }
```

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

```
.background{ background-color: rgb(111,  
115, 10) }
```

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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