

Converting Colors

$Y_{xy}(15.1152, 0.3424, 0.5663)$

Have a look what the booklet for
Yxy(15.1152, 0.3424, 0.5663)
contains.

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Color

Yxy(15.0091, 0.3424, 0.5663)

Conversions

Conversions Part 1

Format	Color
Hex	407A00
RGB	64, 122, 0
RGB Percent	25%, 48%, 0%
CMY	0.7490, 0.5216, 0.9998
CMYK	0.48, 0.00, 1.00, 0.52
HSL	89°, 100%, 24%
HSV	89°, 100%, 48%
XYZ	9.0749, 15.0091, 2.4198
YIQ	90.7500, 4.5940, -50.2380

Conversions

Conversions Part 2

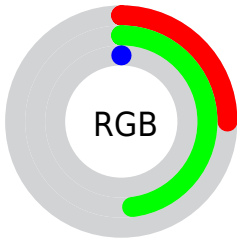
Format	Color
RYB	0, 122, 58
Decimal	4225536
CIELab	45.65, -37.19, 50.06
CIELCh	46, 62.361, 126.611
Yxy	15.0091, 0.3424, 0.5663
Android (android.graphics.Color)	4282415616 (0xFF407A00)
YUV	90.7500, -44.7397, -23.4597
Hunter-Lab	38.7416, -25.9856, 23.4159

Details

The Yxy color **15.0091, 0.3424, 0.5663** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.3065, 0.2012, 0.0882**, and the grayscale version is **10.5071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8704, 0.3447, 0.5072**, and **4.6347, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.0089, 0.3424, 0.5663**, and if you desaturate by 10%, it is **15.2415, 0.3459, 0.5527**.

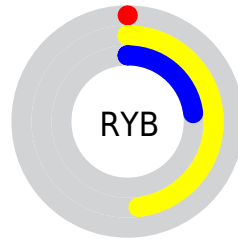
Distribution



Red (25%)

Green (48%)

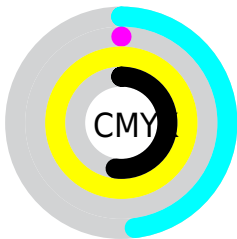
Blue (0%)



Red (0%)

Yellow (48%)

Blue (23%)

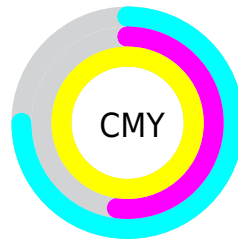


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (75%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0091, 0.3424, 0.5663 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 15.0091, 0.3424, 0.5663 by changing the saturation by 10% instead.


 15.0091, 0.3424,
0.5663


 15.0091, 0.3424,
0.5663


223.4213, 0.3360,
0.4214


 8.8258, 0.3350,
0.6099


 34.8691, 0.3449,
0.5073


 4.6277, 0.3214,
0.6786

 49.3146, 0.3440,
0.4869

 2.0305, 0.2667,
0.7333

 67.2830, 0.3427,
0.4705

 0.6251, 0.0000,
1.0000

 89.1586, 0.3413,
0.4571


 0.0000, 0.0000,
0.0000


 115.3258, 0.3399,
0.4459


 146.1691, 0.3385,


0.4365

 182.0728, 0.3372,
0.4284


 15.0091, 0.3424,
0.5663


 15.0091, 0.3424,
0.5663


 15.0089, 0.3424,
0.5663

 15.2415, 0.3459,
0.5527

 15.5078, 0.3483,
0.5359

 15.8183, 0.3486,
0.5145

 16.1763, 0.3469,
0.4895

 16.5846, 0.3434,
0.4623

■ 17.0459, 0.3385,
0.4340

■ 17.5623, 0.3327,
0.4058

■ 18.1363, 0.3262,
0.3785

■ 18.7696, 0.3195,
0.3528

Harmonies

Analogous

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



15.0091, 0.4479, 0.5116



15.0091, 0.3424, 0.5663



15.0091, 0.2354, 0.5127

Triad

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



15.0091, 0.3424, 0.5663



15.0091, 0.1249, 0.1762



15.0091, 0.4863, 0.2729

Complementary

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



15.0091, 0.3424, 0.5663



2.3065, 0.2012, 0.0882

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.



15.0091, 0.3595, 0.2107



15.0091, 0.3424, 0.5663



15.0091, 0.1622, 0.1575

Square

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



15.0091, 0.3424, 0.5663



15.0091, 0.1214, 0.2389



15.0091, 0.2397, 0.1703



15.0091, 0.5511, 0.3455

Rectangle

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



15.0091, 0.3424, 0.5663



15.0091, 0.1773, 0.4156



15.0091, 0.2397, 0.1703



15.0091, 0.4476, 0.2504

Sweetspot

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



15.0097, 0.3424, 0.5663



30.8249, 0.3332, 0.4079



7.0597, 0.5449, 0.4055



6.9763, 0.3352, 0.4174



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.0097, 0.3424, 0.5663



26.3238, 0.3408, 0.5676



13.9457, 0.3012, 0.5990



4.5437, 0.3189, 0.3506



15.7970, 0.3422, 0.5665



74.8436, 0.3387, 0.5693

Inverse Universe

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



2.3065, 0.2012, 0.0882



3.9747, 0.1988, 0.0869



5.2531, 0.3129, 0.1498



3.9783, 0.3061, 0.3074



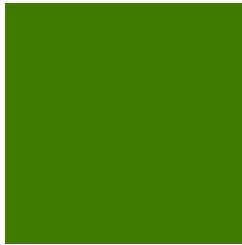
2.4217, 0.2009, 0.0880



11.0517, 0.1958, 0.0852

Previews

White Background



This preview shows how the Yxy color 15.0091, 0.3424, 0.5663 looks on a white background.

Color Contrast Check

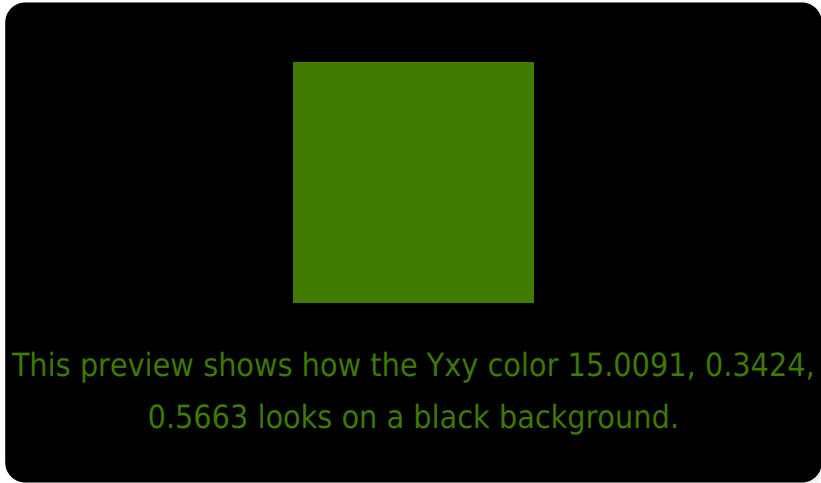
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0091, 0.3424, 0.5663

Background



This preview shows how black text looks on a background with the Yxy color 15.0091, 0.3424, 0.5663.



This preview shows how white text looks on a background with the Yxy color 15.0091, 0.3424, 0.5663.

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

15.0091, 0.3424, 0.5663

Protanopia

14.8627, 0.4402, 0.4887

Deuteranopia

14.8072, 0.4588, 0.4505



Tritanopia

14.9458, 0.2627, 0.3070

Trichromacy



Original Color

15.0091, 0.3424, 0.5663

Protanomaly

14.5770, 0.4016, 0.5193

Deuteranomaly

14.2897, 0.4150, 0.4945

Tritanomaly

14.4967, 0.3037, 0.4215

Monochromacy



Original Color

15.0091, 0.3424, 0.5663

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.5576, 0.3396, 0.4406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0091, 0.3424, 0.5663 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(64, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 122, 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(64, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.0091, 0.3424, 0.5663 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(64, 122, 0) }
```

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

```
.border{ border-color:rgb(64, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(64, 122, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0091, 0.3424, 0.5663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 122, 0) }
```

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

```
.background{ background-color: rgb(64, 122,  
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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