

Converting Colors

$Yxy(23.6704, 0.3667, 0.5433)$

Have a look what the booklet for
Yxy(23.6704, 0.3667, 0.5433)
contains.

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Color

Yxy(23.7663, 0.3670, 0.5429)

Conversions

Conversions Part 1

Format	Color
Hex	679307
RGB	103, 147, 7
RGB Percent	40%, 58%, 3%
CMY	0.5961, 0.4235, 0.9721
CMYK	0.30, 0.00, 0.95, 0.42
HSL	79°, 91%, 30%
HSV	79°, 95%, 58%
XYZ	16.0660, 23.7663, 3.9443
YIQ	117.8840, 18.7160, -52.8680

Conversions

Conversions Part 2

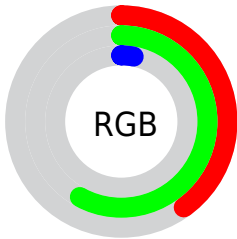
Format	Color
RYB	7, 147, 51
Decimal	6787847
CIELab	55.85, -33.26, 57.71
CIELCh	56, 66.605, 119.953
Yxy	23.7663, 0.3670, 0.5429
Android (android.graphics.Color)	4284977927 (0xFF679307)
YUV	117.8840, -54.6658, -13.0533
Hunter-Lab	48.7507, -26.4883, 29.3285

Details

The Yxy color **23.7663, 0.3670, 0.5429** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.9675, 0.1790, 0.0791**, and the grayscale version is **18.2527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5103, 0.3636, 0.4978**, and **9.0187, 0.3423, 0.5664** is the 20% darker color. If you saturate the color by 10%, you get **23.6214, 0.3658, 0.5478**, and if you desaturate by 10%, it is **24.0900, 0.3688, 0.5315**.

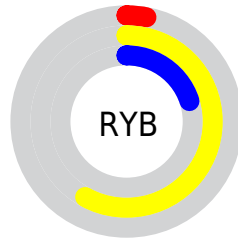
Distribution



Red (40%)

Green (58%)

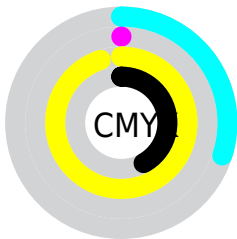
Blue (3%)



Red (3%)

Yellow (58%)

Blue (20%)

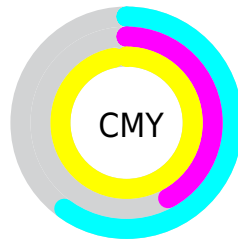


Cyan (30%)

Magenta (0%)

Yellow (95%)

Black (42%)



Cyan (60%)

Magenta (42%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7663, 0.3670, 0.5429 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 23.7663, 0.3670, 0.5429 by changing the saturation by 10% instead.


 23.7663, 0.3670,
0.5429


 23.7663, 0.3670,
0.5429


 271.6368, 0.3472,
0.4230

 15.1604, 0.3657,
0.5739


 49.6486, 0.3634,
0.4975


 8.9320, 0.3622,
0.6179


 67.6937, 0.3608,
0.4808

 4.6969, 0.3403,
0.6597

 89.6540, 0.3581,
0.4669

 2.0705, 0.2926,
0.7074

 115.9138, 0.3556,
0.4553

 0.6480, 0.0000,
1.0000

 146.8576, 0.3532,
0.4453

 0.0000, 0.0000,
0.0000


 182.8698, 0.3511,

0.4368

 224.3347, 0.3490,
0.4294


 23.7663, 0.3670,
0.5429


 23.7663, 0.3670,
0.5429


 23.6214, 0.3658,
0.5478

 24.0900, 0.3688,
0.5315

 24.4597, 0.3683,
0.5156

 24.8820, 0.3654,
0.4954

 25.3612, 0.3604,
0.4719

 25.9010, 0.3536,
0.4462

■ 26.5048, 0.3455,
0.4194

■ 27.1755, 0.3365,
0.3924

■ 27.9160, 0.3271,
0.3662

■ 28.7289, 0.3176,
0.3413

Harmonies

Analogous

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



23.7663, 0.4620, 0.4858



23.7663, 0.3670, 0.5429



23.7663, 0.2645, 0.5162

Triad

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



23.7663, 0.3670, 0.5429



23.7663, 0.1324, 0.1960



23.7663, 0.4492, 0.2635

Complementary

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



23.7663, 0.3670, 0.5429



2.9675, 0.1790, 0.0791

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.



23.7663, 0.3296, 0.2078



23.7663, 0.3670, 0.5429



23.7663, 0.1608, 0.1693

Square

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



23.7663, 0.3670, 0.5429



23.7663, 0.1371, 0.2678



23.7663, 0.2256, 0.1748



23.7663, 0.5267, 0.3319

Rectangle

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



23.7663, 0.3670, 0.5429



23.7663, 0.2045, 0.4394



23.7663, 0.2256, 0.1748



23.7663, 0.4109, 0.2430

Sweetspot

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



23.7674, 0.3670, 0.5429



48.1186, 0.3405, 0.4043



8.4217, 0.5796, 0.3705



10.8791, 0.3440, 0.4148



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.7674, 0.3670, 0.5429



42.2037, 0.3647, 0.5486



21.2426, 0.3092, 0.5880



6.6541, 0.3214, 0.3512



20.4913, 0.3661, 0.5475



0.2665, 0.3919, 0.5270

Inverse Universe

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



2.9675, 0.1790, 0.0791



4.7381, 0.1718, 0.0720



6.1845, 0.2741, 0.1309



5.7162, 0.3035, 0.3065



2.3466, 0.1742, 0.0733



0.0431, 0.2207, 0.0989

Previews

White Background



This preview shows how the Yxy color 23.7663, 0.3670, 0.5429 looks on a white 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

Black Background



This preview shows how the Yxy color 23.7663, 0.3670, 0.5429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

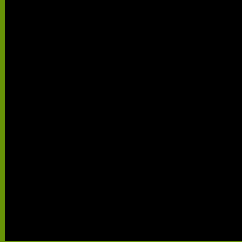
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7663, 0.3670, 0.5429

Background



This preview shows how black text looks on a background with the Yxy color 23.7663, 0.3670, 0.5429.



This preview shows how white text looks on a background with the Yxy color 23.7663, 0.3670, 0.5429.

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

23.7663, 0.3670, 0.5429

Protanopia

23.6295, 0.4402, 0.4887

Deuteranopia

23.5874, 0.4612, 0.4543



Tritanopia

23.8113, 0.2812, 0.3096

Trichromacy



Original Color

23.7663, 0.3670, 0.5429

Protanomaly

23.5401, 0.4126, 0.5090

Deuteranomaly

23.0300, 0.4267, 0.4876

Tritanomaly

23.3576, 0.3246, 0.4129

Monochromacy



Original Color

23.7663, 0.3670, 0.5429

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.7613, 0.3488, 0.4298

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7663, 0.3670, 0.5429 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(103, 147, 7)` looks like.

```
.text, #text, p{  
    color:rgb(103, 147, 7)  
}
```

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(103, 147, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 147, 7) }
```

Border

The CSS property to change the border of an element to Yxy 23.7663, 0.3670, 0.5429 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(103, 147, 7) }
```

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

```
.border{ border-color:rgb(103, 147, 7) }
```

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

Here you see how a box with a 4 pixel rgb(103, 147, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 147, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 147, 7);  
box-shadow:4px 4px 4px 4px rgb(103, 147,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7663, 0.3670, 0.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 147, 7) }
```

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

```
.background{ background-color: rgb(103,  
147, 7) }
```

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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