

Converting Colors

Yxy(63.1601, 0.4632, 0.4704)

Have a look what the booklet for
Yxy(63.1601, 0.4632, 0.4704)
contains.

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Color

Yxy(63.0333, 0.4635, 0.4702)

Conversions

Conversions Part 1

Format	Color
Hex	FFC900
RGB	255, 201, 0
RGB Percent	100%, 79%, 0%
CMY	0.0000, 0.2118, 1.0000
CMYK	0.00, 0.21, 1.00, 0.00
HSL	47°, 100%, 50%
HSV	47°, 100%, 100%
XYZ	62.1351, 63.0333, 8.8879
YIQ	194.2320, 96.7050, -51.0630

Conversions

Conversions Part 2

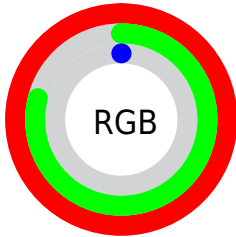
Format	Color
RYB	69, 255, 0
Decimal	16763136
CIELab	83.46, 5.24, 84.72
CIELCh	83, 84.886, 86.461
Yxy	63.0333, 0.4635, 0.4702
Android (android.graphics.Color)	4294953216 (0xFFFFC900)
YUV	194.2320, -95.7564, 53.2935
Hunter-Lab	79.3935, 0.7594, 48.9381

Details

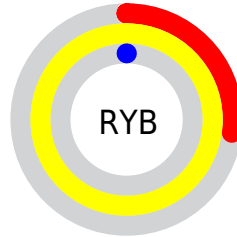
The Yxy color **63.0333, 0.4635, 0.4702** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **9.8589, 0.1553, 0.0790**, and the grayscale version is **54.6267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4519, 0.4038, 0.4797**, and **32.5173, 0.4677, 0.4668** is the 20% darker color. If you saturate the color by 10%, you get **63.0305, 0.4635, 0.4702**, and if you desaturate by 10%, it is **65.6653, 0.4557, 0.4706**.

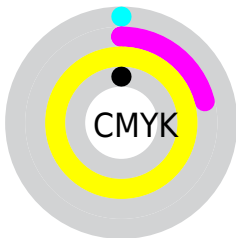
Distribution



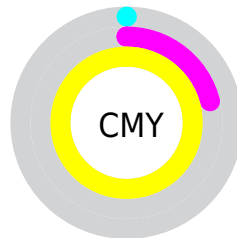
- Red (100%)
- Green (79%)
- Blue (0%)



- Red (27%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0333, 0.4635, 0.4702 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 63.0333, 0.4635, 0.4702 by changing the saturation by 10% instead.


 63.0333, 0.4635,
0.4702

 63.0333, 0.4635,
0.4702


435.6903, 0.4018,
0.4147


 45.8681, 0.4737,
0.4786


 109.2176, 0.4450,
0.4542

 32.1418, 0.4840,
0.4866


 139.0054, 0.4369,
0.4469


 21.4698, 0.4943,
0.4937


 173.7697, 0.4295,
0.4403

 13.4679, 0.5025,
0.4975

 213.8947, 0.4228,
0.4342

 7.7515, 0.5055,
0.4945

 259.7649, 0.4168,
0.4286

 3.9364, 0.5101,
0.4899

 311.7646, 0.4113,

 1.6380, 0.5176,

0.4236

370.2783, 0.4064,
0.4190

0.4824

■ 0.3830, 0.5623,
0.4377

■ 0.0000, 0.0000,
0.0000

■ 63.0333, 0.4635,
0.4702

■ 63.0333, 0.4635,
0.4702

■ 63.0305, 0.4635,
0.4702

■ 65.6653, 0.4557,
0.4706

■ 68.4837, 0.4453,
0.4668

■ 71.5155, 0.4319,
0.4581

■ 74.7793, 0.4161,
0.4451

■ 78.2906, 0.3988,
0.4286

■ 82.0631, 0.3807,
0.4098

■ 86.1094, 0.3626,
0.3896

■ 90.4407, 0.3449,
0.3690

■ 95.0676, 0.3282,
0.3486

Harmonies

Analogous

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



63.0333, 0.5153, 0.3971



63.0333, 0.4635, 0.4702



63.0333, 0.3775, 0.5240

Triad

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



63.0333, 0.4635, 0.4702



63.0333, 0.1508, 0.2850



63.0333, 0.3163, 0.2104

Complementary

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



63.0333, 0.4635, 0.4702



9.8589, 0.1553, 0.0790

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.



63.0333, 0.2228, 0.1819



63.0333, 0.4635, 0.4702



63.0333, 0.1416, 0.2109

Square

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



63.0333, 0.4635, 0.4702



63.0333, 0.1977, 0.4027



63.0333, 0.1651, 0.1803



63.0333, 0.4269, 0.2615

Rectangle

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



63.0333, 0.4635, 0.4702



63.0333, 0.3128, 0.5239



63.0333, 0.1651, 0.1803



63.0333, 0.2816, 0.1981

Sweetspot

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



63.0305, 0.4635, 0.4702



86.1094, 0.3626, 0.3896



21.5382, 0.6072, 0.3118



18.0585, 0.3702, 0.3982



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



63.0305, 0.4635, 0.4702



81.5566, 0.3691, 0.5451



20.3991, 0.3274, 0.3476



33.1602, 0.4626, 0.4709



3.3841, 0.4567, 0.4756

Inverse Universe

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



9.8589, 0.1553, 0.0790



8.6073, 0.1666, 0.0691



18.0011, 0.2979, 0.3097



5.3244, 0.1559, 0.0813



0.6682, 0.1614, 0.1009

Previews

White Background



This preview shows how the Yxy color 63.0333, 0.4635, 0.4702 looks on a white background.

Color Contrast Check

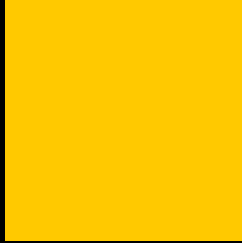
Large Text (above 18pt) WCAG AA × Fail

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 63.0333, 0.4635, 0.4702 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 ✓ Pass

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

Yxy 63.0333, 0.4635, 0.4702

Background



This preview shows how black text looks on a background with the Yxy color 63.0333, 0.4635, 0.4702.



This preview shows how white text looks on a background with the Yxy color 63.0333, 0.4635, 0.4702.

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

63.0333, 0.4635, 0.4702

Protanopia

63.2896, 0.4395, 0.4870

Deuteranopia

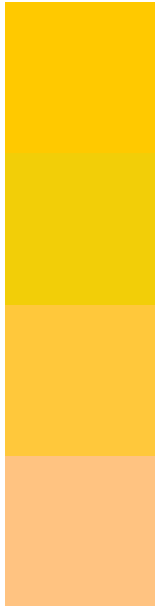
62.8972, 0.4368, 0.4318



Tritanopia

62.8334, 0.3561, 0.3167

Trichromacy



Original Color

63.0333, 0.4635, 0.4702

Protanomaly

63.0374, 0.4481, 0.4809

Deuteranomaly

62.8843, 0.4525, 0.4539

Tritanomaly

61.8752, 0.4151, 0.3969

Monochromacy



Original Color

63.0333, 0.4635, 0.4702

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.9615, 0.3852, 0.4157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0333, 0.4635, 0.4702 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(255, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 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(255, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 0) }
```

Border

The CSS property to change the border of an element to Yxy 63.0333, 0.4635, 0.4702 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(255, 201, 0) }
```

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

```
.border{ border-color:rgb(255, 201, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 201, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 63.0333, 0.4635, 0.4702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 0) }
```

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

```
.background{ background-color: rgb(255,  
201, 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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