

Converting Colors

$Yxy(63.4147, 0.4015, 0.5191)$

Have a look what the booklet for
Yxy(63.4147, 0.4015, 0.5191)
contains.

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Color

Yxy(63.1965, 0.4015, 0.5190)

Conversions

Conversions Part 1

Format	Color
Hex	C6DC02
RGB	198, 220, 2
RGB Percent	78%, 86%, 1%
CMY	0.2236, 0.1372, 0.9918
CMYK	0.10, 0.00, 0.99, 0.14
HSL	66°, 98%, 44%
HSV	66°, 99%, 86%
XYZ	48.8890, 63.1965, 9.6804
YIQ	188.5700, 56.8660, -72.4620

Conversions

Conversions Part 2

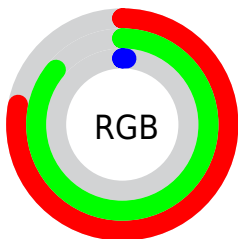
Format	Color
R _Y B	2, 220, 24
Decimal	13032450
CIE Lab	83.55, -28.46, 82.37
CIE LCh	84, 87.145, 109.062
Yxy	63.1965, 0.4015, 0.5190
Android (android.graphics.Color)	4291222530 (0xFFC6DC02)
YUV	188.5700, -91.9790, 8.2701
Hunter-Lab	79.4962, -29.3435, 48.4275

Details

The Yxy color **63.1965, 0.4015, 0.5190** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **5.4087, 0.1535, 0.0623**, and the grayscale version is **51.1465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **32.3992, 0.3920, 0.5269** is the 20% darker color. If you saturate the color by 10%, you get **63.1663, 0.4015, 0.5194**, and if you desaturate by 10%, it is **63.5656, 0.4012, 0.5138**.

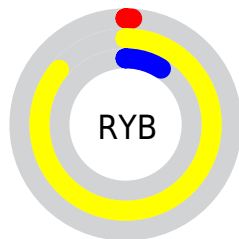
Distribution



Red (78%)

Green (86%)

Blue (1%)



Red (1%)

Yellow (86%)

Blue (9%)

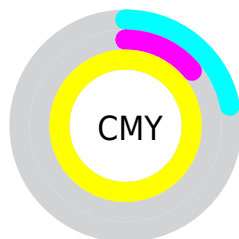


Cyan (10%)

Magenta (0%)

Yellow (99%)

Black (14%)



Cyan (22%)


Magenta (14%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1965, 0.4015, 0.5190 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 63.1965, 0.4015, 0.5190 by changing the saturation by 10% instead.


 63.1965, 0.4015,
0.5190


 63.1965, 0.4015,
0.5190

436.2823, 0.3699,
0.4329


 46.0002, 0.4048,
0.5359


 109.4530, 0.3934,
0.4909


 32.2460, 0.4066,
0.5549


 139.2819, 0.3894,
0.4793


 21.5494, 0.4057,
0.5757


 174.0905, 0.3856,
0.4691

 13.5262, 0.4005,
0.5995

 214.2631, 0.3819,
0.4601

 7.7919, 0.3823,
0.6177

 260.1843, 0.3786,
0.4521

 3.9621, 0.3546,
0.6454


 312.2382, 0.3755,


 1.6524, 0.3066,


0.4450


0.6934


370.8094, 0.3726,
0.4386


 0.3925, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 63.1965, 0.4015,
0.5190


 63.1965, 0.4015,
0.5190

 63.1663, 0.4015,
0.5194

 63.5656, 0.4012,
0.5138

 64.0061, 0.3986,
0.5046

 64.5400, 0.3934,
0.4909

 65.1791, 0.3857,
0.4730

■ 65.9337, 0.3757,
0.4517

■ 66.8125, 0.3641,
0.4278

■ 67.8236, 0.3514,
0.4025

■ 68.9743, 0.3381,
0.3767

■ 70.2714, 0.3246,
0.3513

Harmonies

Analogous

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



63.1965, 0.4835, 0.4541



63.1965, 0.4015, 0.5190



63.1965, 0.3035, 0.5263

Triad

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



63.1965, 0.4015, 0.5190



63.1965, 0.1375, 0.2221



63.1965, 0.4025, 0.2454

Complementary

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



63.1965, 0.4015, 0.5190



5.4087, 0.1535, 0.0623

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.



63.1965, 0.2896, 0.1986



63.1965, 0.4015, 0.5190



63.1965, 0.1533, 0.1815

Square

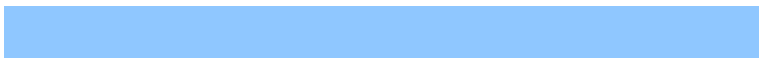
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.1965, 0.4015, 0.5190



63.1965, 0.1554, 0.3099



63.1965, 0.2028, 0.1760



63.1965, 0.4965, 0.3085

Rectangle

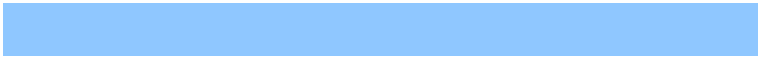
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.1965, 0.4015, 0.5190



63.1965, 0.2405, 0.4755



63.1965, 0.2028, 0.1760



63.1965, 0.3641, 0.2275

Sweetspot

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



63.1994, 0.4015, 0.5190



94.5770, 0.3529, 0.4056



15.8700, 0.6315, 0.3357



20.1120, 0.3584, 0.4164



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.



63.1994, 0.4015, 0.5190



88.2142, 0.4013, 0.5195



53.3330, 0.3238, 0.5805



15.1935, 0.3251, 0.3522



37.0957, 0.4018, 0.5192



2.4230, 0.4048, 0.5168

Inverse Universe

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



5.4087, 0.1535, 0.0623



7.4367, 0.1527, 0.0615



10.1865, 0.2231, 0.1006



12.6799, 0.2996, 0.3049



3.1568, 0.1536, 0.0620



0.2264, 0.1632, 0.0673

Previews

White Background



This preview shows how the Yxy color 63.1965, 0.4015, 0.5190 looks on a white background.

Color Contrast Check

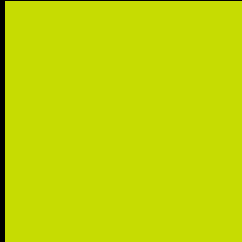
Large Text (above 18pt) WCAG AA × Fail

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 63.1965, 0.4015, 0.5190 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 63.1965, 0.4015, 0.5190

Background



This preview shows how black text looks on a background with the Yxy color 63.1965, 0.4015, 0.5190.



This preview shows how white text looks on a background with the Yxy color 63.1965, 0.4015, 0.5190.

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

63.1965, 0.4015, 0.5190

Protanopia

62.7739, 0.4414, 0.4877

Deuteranopia

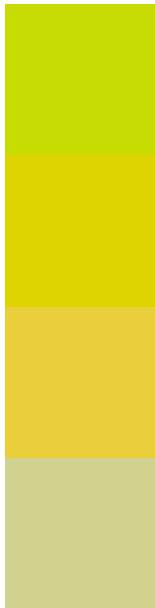
62.8796, 0.4374, 0.4325



Tritanopia

62.7023, 0.3083, 0.3099

Trichromacy



Original Color

63.1965, 0.4015, 0.5190

Protanomaly

62.6188, 0.4274, 0.4986

Deuteranomaly

62.4338, 0.4300, 0.4707

Tritanomaly

61.4262, 0.3603, 0.4109

Monochromacy



Original Color

63.1965, 0.4015, 0.5190

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

53.8955, 0.3644, 0.4284

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1965, 0.4015, 0.5190 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(198, 220, 2)` looks like.

```
.text, #text, p{  
    color:rgb(198, 220, 2)  
}
```

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(198, 220, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 220, 2) }
```

Border

The CSS property to change the border of an element to Yxy 63.1965, 0.4015, 0.5190 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(198, 220, 2) }
```

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

```
.border{ border-color:rgb(198, 220, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 220, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 220, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 220, 2);  
box-shadow:4px 4px 4px 4px rgb(198, 220,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1965, 0.4015, 0.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 220, 2) }
```

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

```
.background{ background-color: rgb(198,  
220, 2) }
```

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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