

# Converting Colors

$Yxy(62.8362, 0.3920, 0.4550)$

Have a look what the booklet for  
Yxy(62.8362, 0.3920, 0.4550)  
contains.

<b>Yxy(62.9364, 0.3915, 0.4557)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(62.9364, 0.3915, 0.4557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7D563
RGB	215, 213, 99
RGB Percent	84%, 84%, 39%
CMY	0.1569, 0.1647, 0.6117
CMYK	0.00, 0.01, 0.54, 0.16
HSL	59°, 59%, 62%
HSV	59°, 54%, 84%
XYZ	54.0698, 62.9364, 21.1031
YIQ	200.6020, 37.7860, -35.0300

# Conversions

## Conversions Part 2

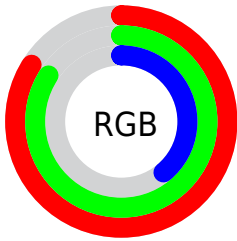
Format	Color
<a href="#">RYB</a>	<a href="#">101, 215, 99</a>
Decimal	<a href="#">14144867</a>
CIELab	<a href="#">83.41, -14.19, 55.65</a>
CIElCh	<a href="#">83, 57.434, 104.307</a>
Yxy	<a href="#">62.9364, 0.3915, 0.4557</a>
Android (android.graphics.Color)	<a href="#">4292334947</a> ( <a href="#">0xFFD7D563</a> )
YUV	<a href="#">200.6020, -50.0898, 12.6270</a>
Hunter-Lab	<a href="#">79.3325, -17.1735, 39.7611</a>

# Details

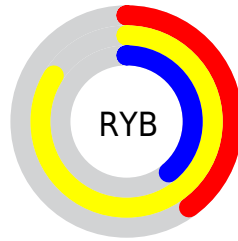
The Yxy color **62.9364, 0.3915, 0.4557** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.8651, 0.2095, 0.1601**, and the grayscale version is **58.4491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0799, 0.3728, 0.4284**, and **32.2548, 0.4055, 0.4849** is the 20% darker color. If you saturate the color by 10%, you get **62.3962, 0.4026, 0.4733**, and if you desaturate by 10%, it is **63.5923, 0.3784, 0.4349**.

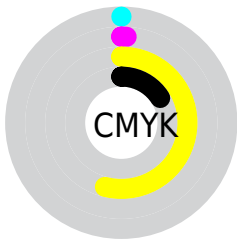
# Distribution



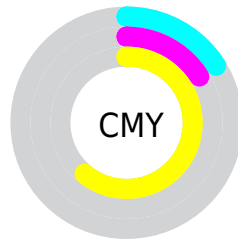
- Red (84%)
- Green (84%)
- Blue (39%)



- Red (40%)
- Yellow (84%)
- Blue (39%)



- Cyan (0%)
- Magenta (1%)
- Yellow (54%)
- Black (16%)




- Cyan (16%)
- Magenta (16%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9364, 0.3915, 0.4557 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 62.9364, 0.3915, 0.4557 by changing the saturation by 10% instead.




 62.9364, 0.3915,  
0.4557


 62.9364, 0.3915,  
0.4557


435.3386, 0.3574,  
0.3963

 45.7898, 0.3981,  
0.4687


 109.0778, 0.3805,  
0.4353


 32.0799, 0.4054,  
0.4843


 138.8413, 0.3759,  
0.4273

 21.4226, 0.4132,  
0.5030


 173.5792, 0.3719,  
0.4204

 13.4332, 0.4205,  
0.5250

 213.6759, 0.3683,  
0.4143

 7.7275, 0.4316,  
0.5585

259.5158, 0.3651,  
0.4090

 3.9211, 0.4225,  
0.5775

311.4833, 0.3623,

 1.6295, 0.3996,

0.4043

0.6004

369.9628, 0.3597,  
0.4001

0.3774, 0.0314,  
0.9686

0.0000, 0.0000,  
0.0000

62.9364, 0.3915,  
0.4557

62.9364, 0.3915,  
0.4557

62.3962, 0.4026,  
0.4733

63.5923, 0.3784,  
0.4349

61.9540, 0.4114,  
0.4869


64.3631, 0.3640,  
0.4119


61.6025, 0.4175,  
0.4962


65.2589, 0.3489,  
0.3875

61.3292, 0.4211,  
0.5012


66.2862, 0.3336,  
0.3628


 61.1891, 0.4224,  
0.5028

 67.4513, 0.3185,  
0.3384

 68.7599, 0.3041,  
0.3150

 70.2173, 0.2905,  
0.2928

 70.7550, 0.2872,  
0.2877

 70.9440, 0.2872,  
0.2881

# Harmonies

## Analogous

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



62.9364, 0.4414, 0.4173



62.9364, 0.3915, 0.4557



62.9364, 0.3237, 0.4574

# Triad

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



62.9364, 0.3915, 0.4557



62.9364, 0.1874, 0.2668



62.9364, 0.3618, 0.2645

# Complementary

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



62.9364, 0.3915, 0.4557



16.8651, 0.2095, 0.1601

# 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.



62.9364, 0.2879, 0.2316



62.9364, 0.3915, 0.4557



62.9364, 0.1947, 0.2288

# Square

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



62.9364, 0.3915, 0.4557



62.9364, 0.2081, 0.3324



62.9364, 0.2289, 0.2184



62.9364, 0.4270, 0.3114



# Rectangle

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



62.9364, 0.3915, 0.4557



62.9364, 0.2777, 0.4299



62.9364, 0.2289, 0.2184



62.9364, 0.3367, 0.2516

# Sweetspot

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



62.9393, 0.3915, 0.4557



97.1999, 0.3369, 0.3682



24.3477, 0.4661, 0.3249



20.7360, 0.3401, 0.3734



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.



62.9393, 0.3915, 0.4557



91.7063, 0.4043, 0.4758



57.0625, 0.3466, 0.4798



14.4817, 0.3267, 0.3516



36.6175, 0.4223, 0.5029



2.2205, 0.4218, 0.5033



# Inverse Universe

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



16.8651, 0.2095, 0.1601



17.0263, 0.1865, 0.1220



20.6161, 0.2550, 0.1759



12.0424, 0.2981, 0.3053



2.9981, 0.1503, 0.0612

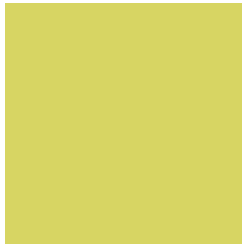


0.1931, 0.1514, 0.0649



# Previews

## White Background



This preview shows how the Yxy color 62.9364, 0.3915, 0.4557 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 62.9364, 0.3915, 0.4557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

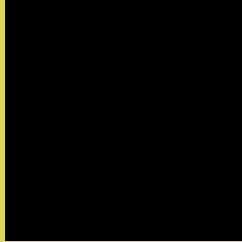
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.9364, 0.3915, 0.4557**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9364, 0.3915, 0.4557.



This preview shows how white text looks on a background with the Yxy color 62.9364, 0.3915, 0.4557.

# 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

62.9364, 0.3915, 0.4557

### Protanopia

62.7978, 0.4080, 0.4468

### Deuteranopia

62.6888, 0.4295, 0.4205



## Tritanopia

62.5973, 0.3221, 0.3115

# Trichromacy



## Original Color

62.9364, 0.3915, 0.4557

## Protanomaly

62.9826, 0.4021, 0.4498

## Deuteranomaly

62.2164, 0.4159, 0.4331

## Tritanomaly

62.3677, 0.3506, 0.3656

# Monochromacy



## Original Color

62.9364, 0.3915, 0.4557

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

59.4648, 0.3434, 0.3783

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9364, 0.3915, 0.4557 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(215, 213, 99)` looks like.

```
.text, #text, p{  
    color:rgb(215, 213, 99)  
}
```

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(215, 213, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 213, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9364, 0.3915, 0.4557 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(215, 213, 99) }
```

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

```
.border{ border-color:rgb(215, 213, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 213, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 213, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 213, 99);  
box-shadow:4px 4px 4px 4px rgb(215, 213,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9364, 0.3915, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 213, 99) }
```

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

```
.background{ background-color: rgb(215,  
213, 99) }
```

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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