

# Converting Colors

Yxy(66.0071, 0.3820, 0.4345)

Have a look what the booklet for  
Yxy(66.0071, 0.3820, 0.4345)  
contains.

<b>Yxy(66.0218, 0.3826, 0.4346)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(66.0218, 0.3826, 0.4346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED879
RGB	222, 216, 121
RGB Percent	87%, 85%, 47%
CMY	0.1296, 0.1529, 0.5255
CMYK	0.00, 0.03, 0.45, 0.13
HSL	56°, 60%, 67%
HSV	56°, 45%, 87%
XYZ	58.1223, 66.0218, 27.7699
YIQ	206.9640, 34.0710, -28.2730

# Conversions

## Conversions Part 2

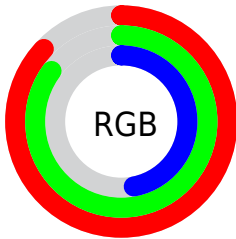
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 222, 121
Decimal	14604409
CIELab	85.01, -10.98, 47.32
CIELCh	85, 48.575, 103.066
Yxy	66.0218, 0.3826, 0.4346
Android (android.graphics.Color)	4292794489 (0xFFDED879)
YUV	206.9640, -42.3803, 13.1866
Hunter-Lab	81.2538, -14.5100, 36.6143

# Details

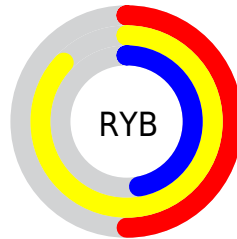
The Yxy color **66.0218, 0.3826, 0.4346** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.5019, 0.2284, 0.1953**, and the grayscale version is **62.6328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **33.9187, 0.3970, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **64.8746, 0.3964, 0.4545**, and if you desaturate by 10%, it is **67.3056, 0.3676, 0.4125**.

# Distribution



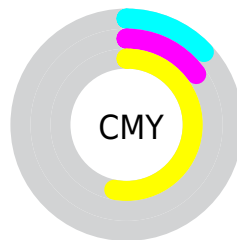
- Red (87%)
- Green (85%)
- Blue (47%)



- Red (50%)
- Yellow (87%)
- Blue (47%)



- Cyan (0%)
- Magenta (3%)
- Yellow (45%)
- Black (13%)




- Cyan (13%)
- Magenta (15%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0218, 0.3826, 0.4346 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 66.0218, 0.3826, 0.4346 by changing the saturation by 10% instead.




 66.0218, 0.3826,  
0.4346


 66.0218, 0.3826,  
0.4346


446.4548, 0.3516,  
0.3851


 48.2901, 0.3890,  
0.4457


 113.5176, 0.3723,  
0.4175

 34.0567, 0.3964,  
0.4591


 144.0505, 0.3682,  
0.4108

 22.9371, 0.4050,  
0.4755


 179.6193, 0.3645,  
0.4051

 14.5471, 0.4145,  
0.4956

220.6083, 0.3613,  
0.4000

 8.5022, 0.4240,  
0.5202

267.4020, 0.3585,  
0.3956

 4.4179, 0.4395,  
0.5605

320.3847, 0.3559,

 1.9100, 0.4236,

0.3917

0.5764

379.9409, 0.3536,  
0.3882

0.5544, 0.3183,  
0.6817

0.0000, 0.0000,  
0.0000

66.0218, 0.3826,  
0.4346

66.0218, 0.3826,  
0.4346

64.8746, 0.3964,  
0.4545

67.3056, 0.3676,  
0.4125

63.8463, 0.4083,  
0.4711


68.7249, 0.3519,  
0.3890

62.9300, 0.4178,  
0.4837


70.2900, 0.3362,  
0.3651

62.1143, 0.4246,  
0.4919

72.0075, 0.3208,  
0.3416


 61.3851, 0.4288,  
0.4958


 73.8837, 0.3062,  
0.3189

 61.0733, 0.4301,  
0.4967

 75.9247, 0.2925,  
0.2975

 76.6817, 0.2920,  
0.2981

 77.3914, 0.2921,  
0.2995

 78.1065, 0.2921,  
0.3008

# Harmonies

## Analogous

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



66.0218, 0.4226, 0.4040



66.0218, 0.3826, 0.4346



66.0218, 0.3260, 0.4350

# Triad

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



66.0218, 0.3826, 0.4346



66.0218, 0.2061, 0.2798



66.0218, 0.3516, 0.2729

# Complementary

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



66.0218, 0.3826, 0.4346



24.5019, 0.2284, 0.1953

# 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.



66.0218, 0.2901, 0.2449



66.0218, 0.3826, 0.4346



66.0218, 0.2113, 0.2454

# Square

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



66.0218, 0.3826, 0.4346



66.0218, 0.2258, 0.3354



66.0218, 0.2402, 0.2345



66.0218, 0.4059, 0.3134



# Rectangle

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



66.0218, 0.3826, 0.4346



66.0218, 0.2868, 0.4132



66.0218, 0.2402, 0.2345



66.0218, 0.3308, 0.2618

# Sweetspot

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



66.0248, 0.3826, 0.4346



96.5770, 0.3341, 0.3618



30.7507, 0.4267, 0.3213



20.5666, 0.3374, 0.3670



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.



66.0248, 0.3826, 0.4346



88.8580, 0.3963, 0.4543



63.0920, 0.3456, 0.4545



15.8841, 0.3269, 0.3508



36.3494, 0.4299, 0.4968



2.5621, 0.4281, 0.4982



# Inverse Universe

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



24.5019, 0.2284, 0.1953



25.0150, 0.2077, 0.1615



26.9204, 0.2632, 0.1997



13.3721, 0.2981, 0.3062



3.3574, 0.1511, 0.0639

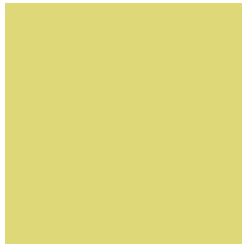


0.2790, 0.1542, 0.0750



# Previews

## White Background



This preview shows how the Yxy color 66.0218, 0.3826, 0.4346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

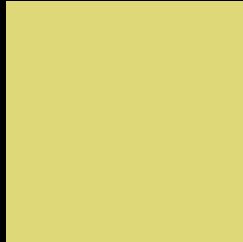
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.0218, 0.3826, 0.4346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

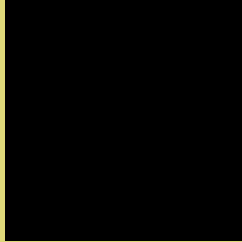
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.0218, 0.3826, 0.4346**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.0218, 0.3826, 0.4346.



This preview shows how white text looks on a background with the Yxy color 66.0218, 0.3826, 0.4346.

# 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

66.0218, 0.3826, 0.4346

### Protanopia

65.7667, 0.3942, 0.4282

### Deuteranopia

65.6653, 0.4079, 0.4008



## Tritanopia

66.2067, 0.3226, 0.3119

# Trichromacy



## Original Color

66.0218, 0.3826, 0.4346

## Protanomaly

65.6026, 0.3904, 0.4305

## Deuteranomaly

65.7514, 0.3984, 0.4126

## Tritanomaly

65.7617, 0.3455, 0.3557

# Monochromacy



## Original Color

66.0218, 0.3826, 0.4346

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.2248, 0.3384, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0218, 0.3826, 0.4346 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(222, 216, 121)` looks like.

```
.text, #text, p{  
    color:rgb(222, 216, 121)  
}
```

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(222, 216, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 216, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0218, 0.3826, 0.4346 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(222, 216, 121) }
```

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

```
.border{ border-color:rgb(222, 216, 121) }
```

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

Here you see how a box with a 4 pixel rgb(222, 216, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 216, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 216, 121);  
box-shadow:4px 4px 4px 4px rgb(222, 216,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0218, 0.3826, 0.4346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 216, 121) }
```

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

```
.background{ background-color: rgb(222,  
216, 121) }
```

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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