

# Converting Colors

Yxy(56.7725, 0.4043, 0.4005)

Have a look what the booklet for  
Yxy(56.7725, 0.4043, 0.4005)  
contains.

<b>Yxy(56.7725, 0.4043, 0.4005)</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(56.7725, 0.4043, 0.4005)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDBF7E
RGB	237, 191, 126
RGB Percent	93%, 75%, 49%
CMY	0.0707, 0.2509, 0.5059
CMYK	0.00, 0.19, 0.47, 0.07
HSL	35°, 75%, 71%
HSV	35°, 47%, 93%
XYZ	57.3112, 56.7725, 27.6704
YIQ	197.3440, 48.2810, -10.4630

# Conversions

## Conversions Part 2

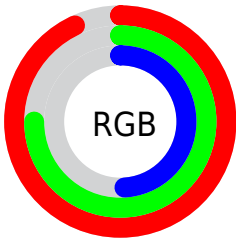
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 237, 126
Decimal	15581054
CIE <sub>Lab</sub>	80.05, 8.40, 38.92
CIE <sub>LCh</sub>	80, 39.820, 77.825
Yxy	56.7725, 0.4043, 0.4005
Android (android.graphics.Color)	4293771134 (0xFFEDBF7E)
YUV	197.3440, -35.1726, 34.7783
Hunter-Lab	75.3475, 3.9133, 30.9698

# Details

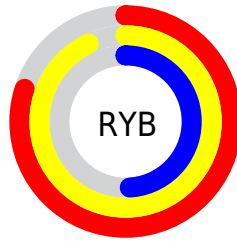
The Yxy color **56.7725, 0.4043, 0.4005** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **40.0222, 0.2349, 0.2434**, and the grayscale version is **56.2476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0768, 0.3594, 0.3956**, and **28.2825, 0.4260, 0.4157** is the 20% darker color. If you saturate the color by 10%, you get **52.0976, 0.4282, 0.4140**, and if you desaturate by 10%, it is **61.8843, 0.3814, 0.3854**.

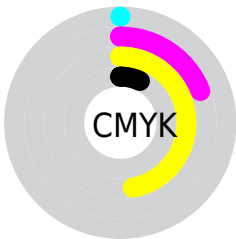
# Distribution



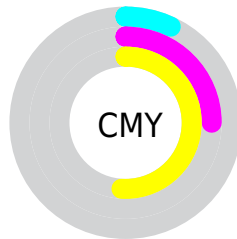
- Red (93%)
- Green (75%)
- Blue (49%)



- Red (80%)
- Yellow (93%)
- Blue (49%)



- Cyan (0%)
- Magenta (19%)
- Yellow (47%)
- Black (7%)



- Cyan (7%)
- Magenta (25%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7725, 0.4043, 0.4005 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 56.7725, 0.4043, 0.4005 by changing the saturation by 10% instead.





 56.7725, 0.4043,  
0.4005

 56.7725, 0.4043,  
0.4005


412.5963, 0.3606,  
0.3677

 40.8226, 0.4143,  
0.4076


 100.1332, 0.3891,  
0.3894

 28.1805, 0.4266,  
0.4160


 128.3127, 0.3831,  
0.3850

 18.4618, 0.4418,  
0.4260


 161.3376, 0.3781,  
0.3811

 11.2820, 0.4609,  
0.4376

199.5923, 0.3736,  
0.3778

 6.2569, 0.4847,  
0.4504

243.4611, 0.3698,  
0.3748

 3.0019, 0.5267,  
0.4733

293.3284, 0.3664,

 1.1327, 0.5413,

0.3722

0.4587

349.5787, 0.3633,  
0.3699

0.0057, 0.9736,  
0.0264

0.0000, 0.0000,  
0.0000

56.7725, 0.4043,  
0.4005

56.7725, 0.4043,  
0.4005

52.0976, 0.4282,  
0.4140

61.8843, 0.3814,  
0.3854

47.8354, 0.4523,  
0.4246


67.4395, 0.3601,  
0.3697


43.9712, 0.4752,  
0.4313


73.4549, 0.3408,  
0.3540


40.4852, 0.4957,  
0.4329


79.9433, 0.3234,  
0.3389

 37.3537, 0.5126,  
0.4291

 86.9173, 0.3080,  
0.3246

 36.4259, 0.5176,  
0.4272

 93.5119, 0.3017,  
0.3239

 96.7377, 0.3017,  
0.3290

# Harmonies

## Analogous

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



56.7725, 0.4168, 0.3635



56.7725, 0.4043, 0.4005



56.7725, 0.3669, 0.4223

# Triad

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



56.7725, 0.4043, 0.4005



56.7725, 0.2329, 0.3268



56.7725, 0.3016, 0.2581

# Complementary

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



56.7725, 0.4043, 0.4005



40.0222, 0.2349, 0.2434

# 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.



56.7725, 0.2555, 0.2464



56.7725, 0.4043, 0.4005



56.7725, 0.2186, 0.2810

# Square

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



56.7725, 0.4043, 0.4005



56.7725, 0.2679, 0.3790



56.7725, 0.2266, 0.2535



56.7725, 0.3548, 0.2851



# Rectangle

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



56.7725, 0.4043, 0.4005



56.7725, 0.3341, 0.4218



56.7725, 0.2266, 0.2535



56.7725, 0.2848, 0.2523

# Sweetspot

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



56.7752, 0.4043, 0.4005



88.8413, 0.3358, 0.3498



35.9028, 0.3858, 0.2779



18.6690, 0.3397, 0.3531



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.



56.7752, 0.4043, 0.4005



61.8639, 0.4267, 0.4132



78.4985, 0.3750, 0.4464



16.5211, 0.3278, 0.3428



20.1596, 0.5155, 0.4289



1.7720, 0.4986, 0.4423

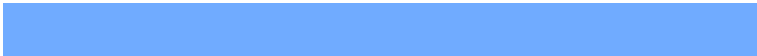


# Inverse Universe

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



40.0222, 0.2349, 0.2434



39.9215, 0.2193, 0.2224



26.2002, 0.2301, 0.1840



15.5732, 0.2980, 0.3148



8.3629, 0.1696, 0.1307



0.8423, 0.1772, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 56.7725, 0.4043, 0.4005 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

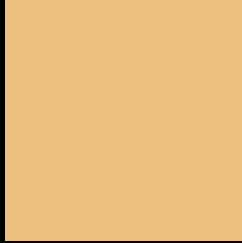
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7725, 0.4043, 0.4005 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

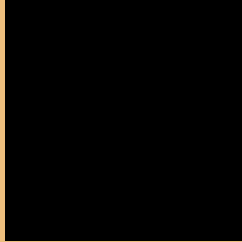
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.7725, 0.4043, 0.4005**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7725, 0.4043, 0.4005.



This preview shows how white text looks on a background with the Yxy color 56.7725, 0.4043, 0.4005.

# 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

56.7725, 0.4043, 0.4005

### Protanopia

57.0308, 0.3799, 0.4111

### Deuteranopia

56.8585, 0.4075, 0.3987



## Tritanopia

56.6745, 0.3546, 0.3140

# Trichromacy



**Original Color**

56.7725, 0.4043, 0.4005

**Protanomaly**

56.8857, 0.3890, 0.4069

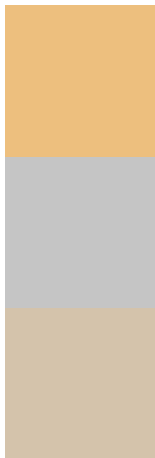
**Deuteranomaly**

56.6840, 0.4066, 0.3989

**Tritanomaly**

56.3390, 0.3729, 0.3446

# Monochromacy



**Original Color**

56.7725, 0.4043, 0.4005

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

55.9675, 0.3452, 0.3577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7725, 0.4043, 0.4005 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(237, 191, 126)` looks like.

```
.text, #text, p{  
    color:rgb(237, 191, 126)  
}
```

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(237, 191, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 191, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7725, 0.4043, 0.4005 is called "border". The border property can be set on classes, ids or directly on the HTML element.

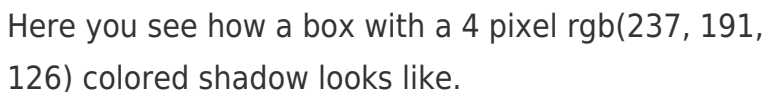
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 191, 126) }
```

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

```
.border{ border-color:rgb(237, 191, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 191, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 191, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 191, 126); box-shadow:4px 4px 4px 4px rgb(237, 191, 126) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7725, 0.4043, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 191, 126) }
```

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

```
.background{ background-color: rgb(237,  
191, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor