

Converting Colors

$Yxy(64.8941, 0.3812, 0.3994)$

Have a look what the booklet for
Yxy(64.8941, 0.3812, 0.3994)
contains.

Yxy(64.7875, 0.3812, 0.3993)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.7875, 0.3812, 0.3993)

Conversions

Conversions Part 1

Format	Color
Hex	EBD090
RGB	235, 208, 144
RGB Percent	92%, 82%, 56%
CMY	0.0784, 0.1843, 0.4354
CMYK	0.00, 0.11, 0.39, 0.08
HSL	42°, 69%, 74%
HSV	42°, 39%, 92%
XYZ	61.8507, 64.7875, 35.6145
YIQ	208.7770, 36.6360, -14.1800

Conversions

Conversions Part 2

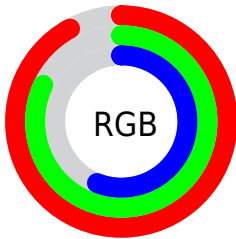
Format	Color
R _Y B	182, 235, 144
Decimal	15454352
CIE Lab	84.37, 0.64, 35.26
CIE LCh	84, 35.264, 88.966
Yxy	64.7875, 0.3812, 0.3993
Android (android.graphics.Color)	4293644432 (0xFFEBD090)
YUV	208.7770, -31.9351, 22.9976
Hunter-Lab	80.4907, -3.6956, 30.1096

Details

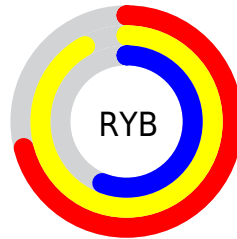
The Yxy color **64.7875, 0.3812, 0.3993** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **41.0373, 0.2466, 0.2465**, and the grayscale version is **63.8020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8572, 0.3466, 0.3850**, and **33.3665, 0.3968, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **60.8206, 0.4013, 0.4167**, and if you desaturate by 10%, it is **69.0593, 0.3617, 0.3809**.

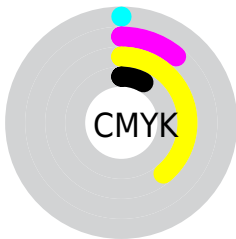
Distribution



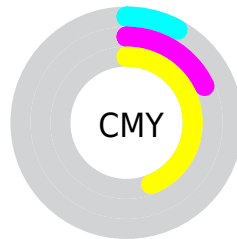
- Red (92%)
- Green (82%)
- Blue (56%)



- Red (71%)
- Yellow (92%)
- Blue (56%)



- Cyan (0%)
- Magenta (11%)
- Yellow (39%)
- Black (8%)




- Cyan (8%)
- Magenta (18%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7875, 0.3812, 0.3993 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 64.7875, 0.3812, 0.3993 by changing the saturation by 10% instead.


 64.7875, 0.3812,
0.3993

 64.7875, 0.3812,
0.3993

442.0279, 0.3494,
0.3667

 47.2888, 0.3884,
0.4066

 111.7443, 0.3702,
0.3881

 33.2640, 0.3971,
0.4155


 141.9712, 0.3659,
0.3837

 22.3288, 0.4078,
0.4264


177.2096, 0.3622,
0.3799

 14.0987, 0.4214,
0.4401

217.8438, 0.3590,
0.3766

 8.1893, 0.4384,
0.4572

264.2584, 0.3561,
0.3737

 4.2163, 0.4635,
0.4824

316.8377, 0.3536,

 1.7953, 0.4909,

0.3711

0.5091

375.9661, 0.3514,
0.3688

0.4842, 0.4956,
0.5044

0.0000, 0.0000,
0.0000

64.7875, 0.3812,
0.3993

64.7875, 0.3812,
0.3993

60.8206, 0.4013,
0.4167

69.0593, 0.3617,
0.3809

57.1385, 0.4214,
0.4320

73.6375, 0.3433,
0.3624

53.7317, 0.4404,
0.4442

78.5347, 0.3263,
0.3442

50.5864, 0.4576,
0.4523

83.7602, 0.3109,
0.3269

■ 47.6866, 0.4720,
0.4554

■ 88.8991, 0.3006,
0.3169

■ 45.0095, 0.4833,
0.4537

■ 93.1474, 0.3006,
0.3239

■ 44.6850, 0.4847,
0.4533

■ 96.4038, 0.3005,
0.3290

Harmonies

Analogous

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



64.7875, 0.4001, 0.3721



64.7875, 0.3812, 0.3993



64.7875, 0.3443, 0.4088

Triad

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



64.7875, 0.3812, 0.3993



64.7875, 0.2375, 0.3120



64.7875, 0.3203, 0.2752

Complementary

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



64.7875, 0.3812, 0.3993



41.0373, 0.2466, 0.2465

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.



64.7875, 0.2774, 0.2598



64.7875, 0.3812, 0.3993



64.7875, 0.2321, 0.2778

Square

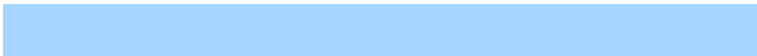
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.7875, 0.3812, 0.3993



64.7875, 0.2618, 0.3554



64.7875, 0.2461, 0.2601



64.7875, 0.3640, 0.3027

Rectangle

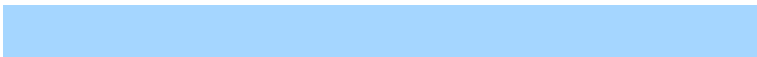
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.7875, 0.3812, 0.3993



64.7875, 0.3151, 0.4011



64.7875, 0.2461, 0.2601



64.7875, 0.3053, 0.2686

Sweetspot

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



64.7905, 0.3812, 0.3993



92.5290, 0.3318, 0.3502



40.5493, 0.3797, 0.2983



19.6384, 0.3340, 0.3525



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.



64.7905, 0.3812, 0.3993



74.3827, 0.3962, 0.4124



76.1557, 0.3572, 0.4298



16.8287, 0.3275, 0.3455



25.0995, 0.4834, 0.4544



2.1369, 0.4724, 0.4631

Inverse Universe

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



41.0373, 0.2466, 0.2465



42.2898, 0.2328, 0.2272



33.6327, 0.2549, 0.2149



15.2771, 0.2980, 0.3119



5.9486, 0.1609, 0.0992



0.6292, 0.1684, 0.1263

Previews

White Background



This preview shows how the Yxy color 64.7875, 0.3812, 0.3993 looks on a white background.

Color Contrast Check

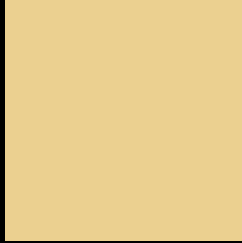
Large Text (above 18pt) WCAG AA × Fail

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 64.7875, 0.3812, 0.3993 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 64.7875, 0.3812, 0.3993

Background



This preview shows how black text looks on a background with the Yxy color 64.7875, 0.3812, 0.3993.



This preview shows how white text looks on a background with the Yxy color 64.7875, 0.3812, 0.3993.

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

64.7875, 0.3812, 0.3993

Protanopia

65.1268, 0.3735, 0.4028

Deuteranopia

64.7946, 0.3962, 0.3889



Tritanopia

64.7566, 0.3363, 0.3132

Trichromacy



Original Color

64.7875, 0.3812, 0.3993

Protanomaly

65.1264, 0.3764, 0.4011

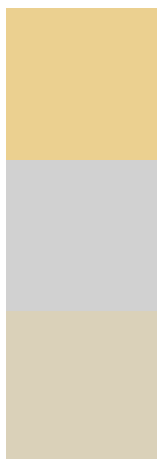
Deuteranomaly

64.6425, 0.3904, 0.3921

Tritanomaly

64.4404, 0.3528, 0.3432

Monochromacy



Original Color

64.7875, 0.3812, 0.3993

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.0091, 0.3368, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7875, 0.3812, 0.3993 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(235, 208, 144)` looks like.

```
.text, #text, p{  
    color:rgb(235, 208, 144)  
}
```

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(235, 208, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 208, 144) }
```

Border

The CSS property to change the border of an element to Yxy 64.7875, 0.3812, 0.3993 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(235, 208, 144) }
```

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

```
.border{ border-color:rgb(235, 208, 144) }
```

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

Here you see how a box with a 4 pixel rgb(235, 208, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 208, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 208, 144);  
box-shadow:4px 4px 4px 4px rgb(235, 208,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7875, 0.3812, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 208, 144) }
```

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

```
.background{ background-color: rgb(235,  
208, 144) }
```

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