

Converting Colors

$Yxy(62.7786, 0.3981, 0.4377)$

Have a look what the booklet for
Yxy(62.7786, 0.3981, 0.4377)
contains.

Yxy(62.5468, 0.3983, 0.4372)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.5468, 0.3983, 0.4372)

Conversions

Conversions Part 1

Format	Color
Hex	E3D06D
RGB	227, 208, 109
RGB Percent	89%, 82%, 43%
CMY	0.1100, 0.1842, 0.5726
CMYK	0.00, 0.08, 0.52, 0.11
HSL	50°, 68%, 66%
HSV	50°, 52%, 89%
XYZ	56.9817, 62.5468, 23.5337
YIQ	202.3950, 43.1030, -26.7610

Conversions

Conversions Part 2

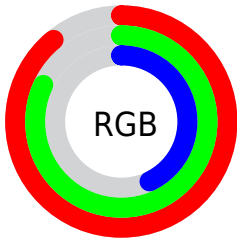
Format	Color
RYB	132, 227, 109
Decimal	14930029
CIELab	83.20, -6.00, 51.01
CIElCh	83, 51.366, 96.707
Yxy	62.5468, 0.3983, 0.4372
Android (android.graphics.Color)	4293120109 (0xFFE3D06D)
YUV	202.3950, -46.0437, 21.5786
Hunter-Lab	79.0865, -9.7926, 37.7177

Details

The Yxy color **62.5468, 0.3983, 0.4372** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.2088, 0.2179, 0.1893**, and the grayscale version is **59.5929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **31.8416, 0.4153, 0.4614** is the 20% darker color. If you saturate the color by 10%, you get **60.3673, 0.4137, 0.4538**, and if you desaturate by 10%, it is **64.8991, 0.3817, 0.4179**.

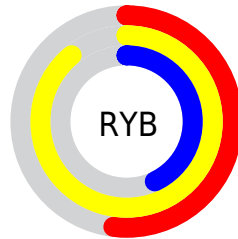
Distribution



Red (89%)

Green (82%)

Blue (43%)



Red (52%)

Yellow (89%)

Blue (43%)

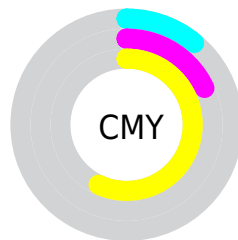


Cyan (0%)

Magenta (8%)

Yellow (52%)

Black (11%)



Cyan (11%)


Magenta (18%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5468, 0.3983, 0.4372 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 62.5468, 0.3983, 0.4372 by changing the saturation by 10% instead.


 62.5468, 0.3983,
0.4372


 62.5468, 0.3983,
0.4372


433.9229, 0.3599,
0.3871


 45.4747, 0.4063,
0.4481


 108.5154, 0.3855,
0.4201


 31.8315, 0.4155,
0.4611


 138.1807, 0.3803,
0.4134

 21.2328, 0.4261,
0.4765


 172.8125, 0.3758,
0.4075

 13.2943, 0.4378,
0.4947

 212.7952, 0.3719,
0.4024

 7.6315, 0.4520,
0.5184

258.5132, 0.3683,
0.3979

 3.8601, 0.4603,
0.5397

310.3508, 0.3652,

 1.5956, 0.4508,

0.3939

0.5492

368.6926, 0.3624,
0.3903

0.3546, 0.3496,
0.6504

0.0000, 0.0000,
0.0000

62.5468, 0.3983,
0.4372

62.5468, 0.3983,
0.4372

60.3673, 0.4137,
0.4538

64.8991, 0.3817,
0.4179

58.3415, 0.4273,
0.4668


67.4245, 0.3645,
0.3970


56.4609, 0.4383,
0.4754


70.1342, 0.3475,
0.3754


54.7112, 0.4464,
0.4794


73.0361, 0.3311,
0.3539


 53.3839, 0.4512,
0.4799

 76.1372, 0.3156,
0.3330

 79.4442, 0.3013,
0.3132

 82.1080, 0.2954,
0.3071

 84.1965, 0.2955,
0.3108

 86.3279, 0.2955,
0.3146

Harmonies

Analogous

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



62.5468, 0.4359, 0.3991



62.5468, 0.3983, 0.4372



62.5468, 0.3398, 0.4471

Triad

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



62.5468, 0.3983, 0.4372



62.5468, 0.2011, 0.2867



62.5468, 0.3401, 0.2614

Complementary

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



62.5468, 0.3983, 0.4372



24.2088, 0.2179, 0.1893

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.



62.5468, 0.2753, 0.2353



62.5468, 0.3983, 0.4372



62.5468, 0.2012, 0.2449

Square

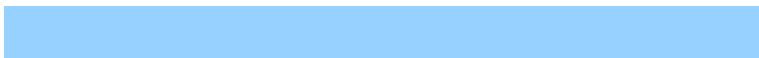
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.5468, 0.3983, 0.4372



62.5468, 0.2273, 0.3501



62.5468, 0.2266, 0.2286



62.5468, 0.4025, 0.3020

Rectangle

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



62.5468, 0.3983, 0.4372



62.5468, 0.2975, 0.4299



62.5468, 0.2266, 0.2286



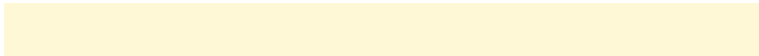
62.5468, 0.3176, 0.2508

Sweetspot

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



62.5497, 0.3983, 0.4372



93.5403, 0.3378, 0.3627



28.8328, 0.4371, 0.3069



19.8541, 0.3412, 0.3672



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.



62.5497, 0.3983, 0.4372



78.5140, 0.4144, 0.4544



66.6567, 0.3578, 0.4689



15.6355, 0.3271, 0.3485



30.3180, 0.4506, 0.4804



2.2031, 0.4450, 0.4848

Inverse Universe

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



24.2088, 0.2179, 0.1893



23.7392, 0.1980, 0.1569



22.8028, 0.2435, 0.1757



13.5966, 0.2981, 0.3087



3.9738, 0.1539, 0.0741



0.3859, 0.1608, 0.0989

Previews

White Background



This preview shows how the Yxy color 62.5468, 0.3983, 0.4372 looks on a white background.

Color Contrast Check

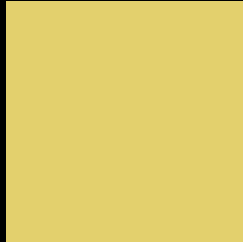
Large Text (above 18pt) WCAG AA × Fail

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 62.5468, 0.3983, 0.4372 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 62.5468, 0.3983, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 62.5468, 0.3983, 0.4372.



This preview shows how white text looks on a background with the Yxy color 62.5468, 0.3983, 0.4372.

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

62.5468, 0.3983, 0.4372

Protanopia

62.3878, 0.4006, 0.4355

Deuteranopia

62.6288, 0.4247, 0.4157



Tritanopia

62.2378, 0.3334, 0.3118

Trichromacy



Original Color

62.5468, 0.3983, 0.4372

Protanomaly

62.2238, 0.3997, 0.4359

Deuteranomaly

62.6219, 0.4147, 0.4236

Tritanomaly

61.7273, 0.3585, 0.3570

Monochromacy



Original Color

62.5468, 0.3983, 0.4372

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

59.8618, 0.3447, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5468, 0.3983, 0.4372 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(227, 208, 109)` looks like.

```
.text, #text, p{  
    color:rgb(227, 208, 109)  
}
```

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(227, 208, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 208, 109) }
```

Border

The CSS property to change the border of an element to Yxy 62.5468, 0.3983, 0.4372 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(227, 208, 109) }
```

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

```
.border{ border-color:rgb(227, 208, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 208, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 208, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 208, 109);  
box-shadow:4px 4px 4px 4px rgb(227, 208,  
109) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 62.5468, 0.3983, 0.4372$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 208, 109) }
```

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

```
.background{ background-color: rgb(227,  
208, 109) }
```

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