

Converting Colors

$Yxy(60.2836, 0.3839, 0.4468)$

Have a look what the booklet for
Yxy(60.2836, 0.3839, 0.4468)
contains.

Yxy(60.2178, 0.3840, 0.4468)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.2178, 0.3840, 0.4468)

Conversions

Conversions Part 1

Format	Color
Hex	D1D16B
RGB	209, 209, 107
RGB Percent	82%, 82%, 42%
CMY	0.1803, 0.1804, 0.5804
CMYK	0.00, 0.00, 0.49, 0.18
HSL	60°, 53%, 62%
HSV	60°, 49%, 82%
XYZ	51.7539, 60.2178, 22.8041
YIQ	197.3720, 32.7420, -31.7220

Conversions

Conversions Part 2

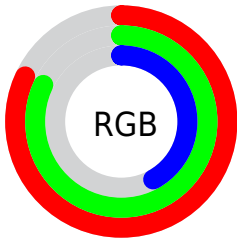
Format	Color
RYB	107, 209, 107
Decimal	13750635
CIELab	81.96, -13.93, 50.12
CIELCh	82, 52.019, 105.536
Yxy	60.2178, 0.3840, 0.4468
Android (android.graphics.Color)	4291940715 (0xFFD1D16B)
YUV	197.3720, -44.5534, 10.1978
Hunter-Lab	77.6001, -16.7532, 36.8968

Details

The Yxy color **60.2178, 0.3840, 0.4468** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.2508, 0.2201, 0.1759**, and the grayscale version is **56.3346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3532, 0.3683, 0.4210**, and **30.3939, 0.3969, 0.4757** is the 20% darker color. If you saturate the color by 10%, you get **59.8298, 0.3958, 0.4663**, and if you desaturate by 10%, it is **60.7176, 0.3705, 0.4245**.

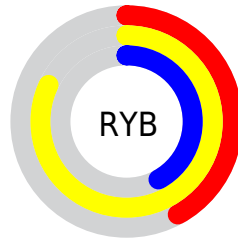
Distribution



Red (82%)

Green (82%)

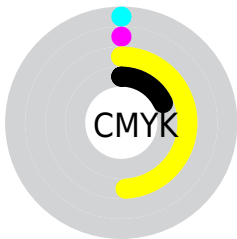
Blue (42%)



Red (42%)

Yellow (82%)

Blue (42%)

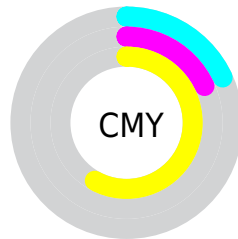


Cyan (0%)

Magenta (0%)

Yellow (49%)

Black (18%)



Cyan (18%)


Magenta (18%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2178, 0.3840, 0.4468 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 60.2178, 0.3840, 0.4468 by changing the saturation by 10% instead.


 60.2178, 0.3840,
0.4468


 60.2178, 0.3840,
0.4468


425.4001, 0.3524,
0.3906


 43.5942, 0.3903,
0.4595

 105.1455, 0.3736,
0.4273

 30.3516, 0.3975,
0.4749


 134.2185, 0.3694,
0.4197

 20.1056, 0.4055,
0.4938


 168.2100, 0.3657,
0.4131

 12.4719, 0.4135,
0.5168

 207.5045, 0.3624,
0.4074

 7.0659, 0.4235,
0.5494

252.4864, 0.3595,
0.4024

 3.5033, 0.4212,
0.5788

303.5400, 0.3569,

 1.3998, 0.3967,

0.3980

0.6033

361.0498, 0.3546,
0.3941

0.2166, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

60.2178, 0.3840,
0.4468

60.2178, 0.3840,
0.4468

59.8298, 0.3958,
0.4663

60.7176, 0.3705,
0.4245

59.5376, 0.4054,
0.4822


61.3280, 0.3559,
0.4004

59.3351, 0.4125,
0.4939


62.0582, 0.3408,
0.3755

59.2119, 0.4170,
0.5012

62.9141, 0.3257,
0.3505

 59.1512, 0.4192,
0.5049


 63.9012, 0.3110,
0.3262

 59.1455, 0.4194,
0.5052

 65.0247, 0.2970,
0.3030

 66.2897, 0.2839,
0.2813

 66.4003, 0.2829,
0.2796

 66.4030, 0.2829,
0.2796

Harmonies

Analogous

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



60.2178, 0.4306, 0.4137



60.2178, 0.3840, 0.4468



60.2178, 0.3210, 0.4452

Triad

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



60.2178, 0.3840, 0.4468



60.2178, 0.1959, 0.2702



60.2178, 0.3609, 0.2708

Complementary

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



60.2178, 0.3840, 0.4468



18.2508, 0.2201, 0.1759

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.



60.2178, 0.2928, 0.2392



60.2178, 0.3840, 0.4468



60.2178, 0.2037, 0.2354

Square

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



60.2178, 0.3840, 0.4468



60.2178, 0.2146, 0.3298



60.2178, 0.2369, 0.2261



60.2178, 0.4196, 0.3153

Rectangle

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



60.2178, 0.3840, 0.4468



60.2178, 0.2785, 0.4187



60.2178, 0.2369, 0.2261



60.2178, 0.3380, 0.2585

Sweetspot

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



60.2206, 0.3840, 0.4468



97.7704, 0.3353, 0.3663



25.1716, 0.4460, 0.3273



20.8679, 0.3385, 0.3717



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.



60.2206, 0.3840, 0.4468



93.7658, 0.3967, 0.4678



54.1185, 0.3432, 0.4655



13.7971, 0.3266, 0.3520



36.4578, 0.4194, 0.5052



2.0387, 0.4194, 0.5052

Inverse Universe

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



18.2508, 0.2201, 0.1759



20.2157, 0.1974, 0.1384



22.2186, 0.2638, 0.1919



11.4182, 0.2982, 0.3050



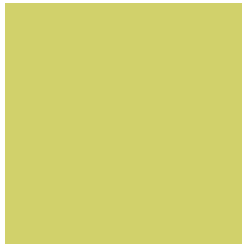
2.8393, 0.1500, 0.0600



0.1589, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 60.2178, 0.3840, 0.4468 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 60.2178, 0.3840, 0.4468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

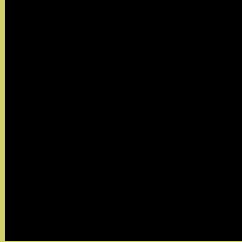
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.2178, 0.3840, 0.4468

Background



This preview shows how black text looks on a background with the Yxy color 60.2178, 0.3840, 0.4468.



This preview shows how white text looks on a background with the Yxy color 60.2178, 0.3840, 0.4468.

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

60.2178, 0.3840, 0.4468

Protanopia

60.2132, 0.4015, 0.4380

Deuteranopia

59.8710, 0.4238, 0.4144



Tritanopia

59.9522, 0.3191, 0.3111

Trichromacy



Original Color

60.2178, 0.3840, 0.4468

Protanomaly

60.2433, 0.3946, 0.4412

Deuteranomaly

59.4651, 0.4088, 0.4252

Tritanomaly

59.4282, 0.3450, 0.3606

Monochromacy



Original Color

60.2178, 0.3840, 0.4468

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.8711, 0.3401, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2178, 0.3840, 0.4468 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(209, 209, 107)` looks like.

```
.text, #text, p{  
    color:rgb(209, 209, 107)  
}
```

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(209, 209, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 209, 107) }
```

Border

The CSS property to change the border of an element to Yxy 60.2178, 0.3840, 0.4468 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(209, 209, 107) }
```

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

```
.border{ border-color:rgb(209, 209, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 209, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 209, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 209, 107);  
box-shadow:4px 4px 4px 4px rgb(209, 209,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2178, 0.3840, 0.4468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 209, 107) }
```

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

```
.background{ background-color: rgb(209,  
209, 107) }
```

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