

Converting Colors

$Y_{xy}(45.0470, 0.3621, 0.4212)$

Have a look what the booklet for
Yxy(45.0470, 0.3621, 0.4212)
contains.

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Color

Yxy(45.0069, 0.3618, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	B2B874
RGB	178, 184, 116
RGB Percent	70%, 72%, 45%
CMY	0.3020, 0.2784, 0.5451
CMYK	0.03, 0.00, 0.37, 0.28
HSL	65°, 32%, 59%
HSV	65°, 37%, 72%
XYZ	38.6506, 45.0069, 23.1711
YIQ	174.4540, 18.2520, -22.4200

Conversions

Conversions Part 2

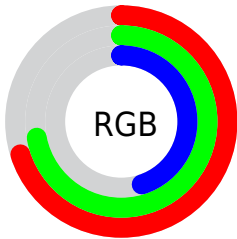
Format	Color
RYB	116, 184, 122
Decimal	11712628
CIELab	72.90, -12.74, 33.86
CIELCh	73, 36.182, 110.619
Yxy	45.0069, 0.3618, 0.4213
Android (android.graphics.Color)	4289902708 (0xFFB2B874)
YUV	174.4540, -28.8178, 3.1098
Hunter-Lab	67.0872, -14.5643, 26.4830

Details

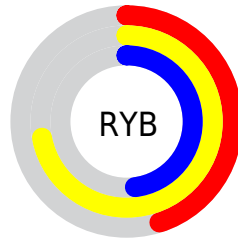
The Yxy color $45.0069, 0.3618, 0.4213$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $20.0896, 0.2518, 0.2207$, and the grayscale version is $42.7173, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8469, 0.3538, 0.4039$, and $20.9110, 0.3737, 0.4488$ is the 20% darker color. If you saturate the color by 10%, you get $44.4307, 0.3739, 0.4452$, and if you desaturate by 10%, it is $45.6742, 0.3488, 0.3962$.

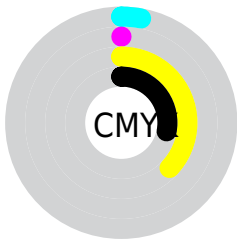
Distribution



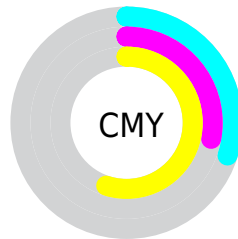
- Red (70%)
- Green (72%)
- Blue (45%)



- Red (45%)
- Yellow (72%)
- Blue (48%)



- Cyan (3%)
- Magenta (0%)
- Yellow (37%)
- Black (28%)




- Cyan (30%)
- Magenta (28%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0069, 0.3618, 0.4213 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 45.0069, 0.3618, 0.4213 by changing the saturation by 10% instead.


 45.0069, 0.3618,
0.4213

 45.0069, 0.3618,
0.4213


366.8015, 0.3383,
0.3742


 31.4629, 0.3671,
0.4331


 82.7308, 0.3536,
0.4041

 20.9516, 0.3735,
0.4482


 107.6794, 0.3505,
0.3976

 13.0886, 0.3811,
0.4680


 137.1983, 0.3477,
0.3922

 7.4896, 0.3900,
0.4947

171.6720, 0.3453,
0.3876

 3.7701, 0.4045,
0.5394

211.4847, 0.3433,
0.3835

 1.5458, 0.4074,
0.5926

257.0209, 0.3414,

 0.3207, 0.0000,

0.3800

1.0000

308.6651, 0.3398,
0.3770

0.0000, 0.0000,
0.0000

45.0069, 0.3618,
0.4213

45.0069, 0.3618,
0.4213

44.4307, 0.3739,
0.4452

45.6742, 0.3488,
0.3962

43.9346, 0.3844,
0.4668

46.4312, 0.3353,
0.3708

43.5150, 0.3929,
0.4852

47.2843, 0.3219,
0.3458


43.1656, 0.3990,
0.4998


48.2374, 0.3088,
0.3218

42.8791, 0.4026,
0.5099


49.2943, 0.2963,
0.2993


 42.6452, 0.4037,
0.5160

 50.4586, 0.2846,
0.2783

 42.5786, 0.4039,
0.5175

 51.7338, 0.2737,
0.2590

 52.5833, 0.2686,
0.2492

 52.7958, 0.2697,
0.2494

Harmonies

Analogous

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



45.0069, 0.4002, 0.4022



45.0069, 0.3618, 0.4213



45.0069, 0.3121, 0.4121

Triad

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



45.0069, 0.3618, 0.4213



45.0069, 0.2200, 0.2786



45.0069, 0.3587, 0.2889

Complementary

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



45.0069, 0.3618, 0.4213



20.0896, 0.2518, 0.2207

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.



45.0069, 0.3066, 0.2612



45.0069, 0.3618, 0.4213



45.0069, 0.2298, 0.2533

Square

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



45.0069, 0.3618, 0.4213



45.0069, 0.2320, 0.3222



45.0069, 0.2602, 0.2481



45.0069, 0.3999, 0.3263

Rectangle

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



45.0069, 0.3618, 0.4213



45.0069, 0.2794, 0.3890



45.0069, 0.2602, 0.2481



45.0069, 0.3417, 0.2783

Sweetspot

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



45.0089, 0.3618, 0.4213



85.0323, 0.3275, 0.3563



25.2888, 0.3981, 0.3374



18.2864, 0.3293, 0.3596



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.0089, 0.3618, 0.4213



80.7546, 0.3713, 0.4400



41.5048, 0.3311, 0.4314



10.4619, 0.3251, 0.3517



29.3576, 0.4041, 0.5173



1.0468, 0.4083, 0.5140

Inverse Universe

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



20.0896, 0.2518, 0.2207



29.2783, 0.2363, 0.1940



22.9858, 0.2860, 0.2303



8.7565, 0.2998, 0.3055



2.4766, 0.1534, 0.0619



0.1001, 0.1664, 0.0690

Previews

White Background



This preview shows how the Yxy color 45.0069, 0.3618, 0.4213 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 45.0069, 0.3618, 0.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

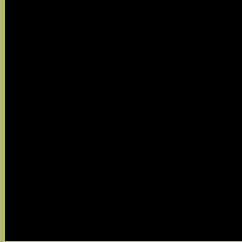
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0069, 0.3618, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 45.0069, 0.3618, 0.4213.



This preview shows how white text looks on a background with the Yxy color 45.0069, 0.3618, 0.4213.

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

45.0069, 0.3618, 0.4213

Protanopia

45.0572, 0.3817, 0.4128

Deuteranopia

44.7539, 0.4000, 0.3924



Tritanopia

44.8989, 0.3118, 0.3111

Trichromacy



Original Color

45.0069, 0.3618, 0.4213

Protanomaly

45.1044, 0.3743, 0.4157

Deuteranomaly

44.7762, 0.3857, 0.4027

Tritanomaly

44.6398, 0.3313, 0.3503

Monochromacy



Original Color

45.0069, 0.3618, 0.4213

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.2547, 0.3306, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0069, 0.3618, 0.4213 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(178, 184, 116)` looks like.

```
.text, #text, p{  
    color:rgb(178, 184, 116)  
}
```

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(178, 184, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 184, 116) }
```

Border

The CSS property to change the border of an element to Yxy 45.0069, 0.3618, 0.4213 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(178, 184, 116) }
```

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

```
.border{ border-color:rgb(178, 184, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 184, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 184, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 184, 116);  
box-shadow:4px 4px 4px 4px rgb(178, 184,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0069, 0.3618, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 184, 116) }
```

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

```
.background{ background-color: rgb(178,  
184, 116) }
```

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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