

Converting Colors

$Y_{xy}(45.2709, 0.3271, 0.3717)$

Have a look what the booklet for
Yxy(45.2709, 0.3271, 0.3717)
contains.

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Color

Yxy(45.3515, 0.3270, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	ACB899
RGB	172, 184, 153
RGB Percent	67%, 72%, 60%
CMY	0.3254, 0.2784, 0.4000
CMYK	0.07, 0.00, 0.17, 0.28
HSL	83°, 18%, 66%
HSV	83°, 17%, 72%
XYZ	39.9083, 45.3515, 36.7840
YIQ	176.8780, 2.7990, -12.1850

Conversions

Conversions Part 2

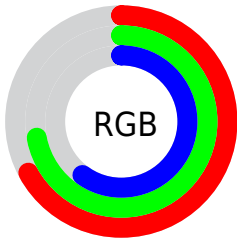
Format	Color
RYB	153, 184, 165
Decimal	11319449
CIELab	73.12, -9.74, 14.37
CIELCh	73, 17.358, 124.140
Yxy	45.3515, 0.3270, 0.3716
Android (android.graphics.Color)	4289509529 (0xFFACB899)
YUV	176.8780, -11.7719, -4.2780
Hunter-Lab	67.3435, -12.0705, 14.7554

Details

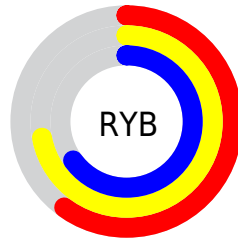
The Yxy color $45.3515, 0.3270, 0.3716$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $34.2357, 0.2966, 0.2856$, and the grayscale version is $43.9641, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.3192, 0.3251, 0.3640$, and $21.1850, 0.3311, 0.3842$ is the 20% darker color. If you saturate the color by 10%, you get $44.0094, 0.3353, 0.3989$, and if you desaturate by 10%, it is $46.8342, 0.3185, 0.3457$.

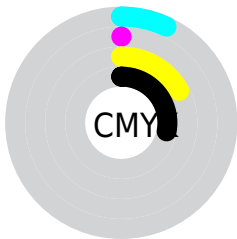
Distribution



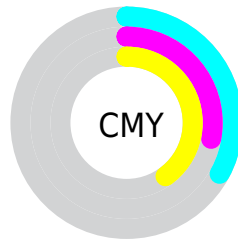
- Red (67%)
- Green (72%)
- Blue (60%)



- Red (60%)
- Yellow (72%)
- Blue (65%)



- Cyan (7%)
- Magenta (0%)
- Yellow (17%)
- Black (28%)





- Cyan (33%)
- Magenta (28%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3515, 0.3270, 0.3716 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 45.3515, 0.3270, 0.3716 by changing the saturation by 10% instead.


 45.3515, 0.3270,
0.3716

 45.3515, 0.3270,
0.3716


368.1953, 0.3200,
0.3498

 31.7344, 0.3287,
0.3772


 83.2476, 0.3245,
0.3636

 21.1587, 0.3308,
0.3845


 108.2954, 0.3236,
0.3606

 13.2401, 0.3334,
0.3943


137.9222, 0.3228,
0.3581

 7.5941, 0.3370,
0.4084

172.5124, 0.3221,
0.3559

 3.8363, 0.3418,
0.4300

212.4505, 0.3215,
0.3541

 1.5824, 0.3534,
0.4738

258.1207, 0.3209,

 0.3457, 0.2080,

0.3525

0.7920

309.9075, 0.3205,
0.3511

0.0000, 0.0000,
0.0000

45.3515, 0.3270,
0.3716

45.3515, 0.3270,
0.3716

44.0094, 0.3353,
0.3989

46.8342, 0.3185,
0.3457

42.7971, 0.3430,
0.4271

48.4563, 0.3101,
0.3216

41.7112, 0.3498,
0.4552

50.2241, 0.3019,
0.2995

40.7461, 0.3550,
0.4822

52.1418, 0.2942,
0.2795

39.8954, 0.3584,
0.5066

54.2135, 0.2869,
0.2614

■ 39.1521, 0.3595,
0.5274

■ 55.8906, 0.2855,
0.2528

■ 38.5082, 0.3582,
0.5435

■ 56.9865, 0.2907,
0.2540

■ 37.9529, 0.3547,
0.5546

■ 58.1295, 0.2960,
0.2551

■ 37.7900, 0.3534,
0.5576

■ 59.3203, 0.3014,
0.2563

Harmonies

Analogous

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



45.3515, 0.3483, 0.3701



45.3515, 0.3270, 0.3716



45.3515, 0.3024, 0.3604

Triad

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



45.3515, 0.3270, 0.3716



45.3515, 0.2672, 0.2984



45.3515, 0.3447, 0.3177

Complementary

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



45.3515, 0.3270, 0.3716



34.2357, 0.2966, 0.2856

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.



45.3515, 0.3218, 0.3004



45.3515, 0.3270, 0.3716



45.3515, 0.2774, 0.2890

Square

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



45.3515, 0.3270, 0.3716



45.3515, 0.2685, 0.3167



45.3515, 0.2971, 0.2900



45.3515, 0.3590, 0.3383

Rectangle

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



45.3515, 0.3270, 0.3716



45.3515, 0.2875, 0.3473



45.3515, 0.2971, 0.2900



45.3515, 0.3377, 0.3114

Sweetspot

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



45.3535, 0.3270, 0.3716



85.4043, 0.3170, 0.3413



39.3559, 0.3417, 0.3453



18.3686, 0.3176, 0.3430



93.3107, 0.3127, 0.3290



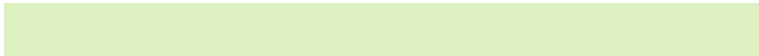
18.7317, 0.3127, 0.3290

Same Dimension

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



45.3535, 0.3270, 0.3716



81.3427, 0.3299, 0.3810



43.7080, 0.3137, 0.3734



10.3257, 0.3206, 0.3520



26.0875, 0.3542, 0.5570



0.9542, 0.3712, 0.5435

Inverse Universe

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



34.2357, 0.2966, 0.2856



57.6070, 0.2927, 0.2758



35.9899, 0.3112, 0.2875



8.8839, 0.3043, 0.3058



3.3464, 0.1835, 0.0784



0.1540, 0.2144, 0.0955

Previews

White Background



This preview shows how the Yxy color 45.3515, 0.3270, 0.3716 looks on a white background.

Color Contrast Check

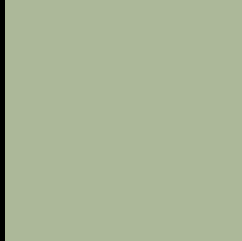
Large Text (above 18pt) WCAG AA × Fail

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 45.3515, 0.3270, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

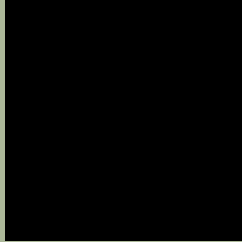
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

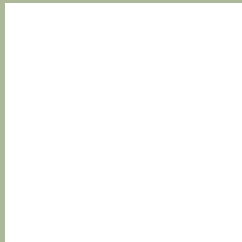
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3515, 0.3270, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 45.3515, 0.3270, 0.3716.



This preview shows how white text looks on a background with the Yxy color 45.3515, 0.3270, 0.3716.

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

45.3515, 0.3270, 0.3716

Protanopia

45.2610, 0.3458, 0.3673

Deuteranopia

45.2328, 0.3580, 0.3518



Tritanopia

45.1560, 0.3009, 0.3095

Trichromacy



Original Color

45.3515, 0.3270, 0.3716

Protanomaly

45.3494, 0.3390, 0.3692

Deuteranomaly

45.1148, 0.3466, 0.3591

Tritanomaly

45.0870, 0.3109, 0.3317

Monochromacy



Original Color

45.3515, 0.3270, 0.3716

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5836, 0.3180, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3515, 0.3270, 0.3716 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(172, 184, 153)` looks like.

```
.text, #text, p{  
    color:rgb(172, 184, 153)  
}
```

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(172, 184, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 184, 153) }
```

Border

The CSS property to change the border of an element to Yxy 45.3515, 0.3270, 0.3716 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(172, 184, 153) }
```

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

```
.border{ border-color:rgb(172, 184, 153) }
```

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

Here you see how a box with a 4 pixel rgb(172, 184, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 184, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 184, 153);  
box-shadow:4px 4px 4px 4px rgb(172, 184,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3515, 0.3270, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 184, 153) }
```

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

```
.background{ background-color: rgb(172,  
184, 153) }
```

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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