

Converting Colors

$Y_{xy}(45.3609, 0.3520, 0.3737)$

Have a look what the booklet for
Yxy(45.3609, 0.3520, 0.3737)
contains.

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Color

Yxy(45.3609, 0.3520, 0.3737)

Conversions

Conversions Part 1

Format	Color
Hex	BFB391
RGB	191, 179, 145
RGB Percent	75%, 70%, 57%
CMY	0.2508, 0.2981, 0.4313
CMYK	0.00, 0.06, 0.24, 0.25
HSL	44°, 26%, 66%
HSV	44°, 24%, 75%
XYZ	42.7269, 45.3609, 33.2954
YIQ	178.7120, 18.0660, -8.0300

Conversions

Conversions Part 2

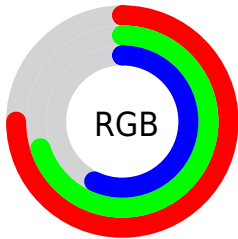
Format	Color
R _Y B	161, 191, 145
Decimal	12563345
CIE Lab	73.13, -1.15, 18.93
CIE LCh	73, 18.963, 93.488
Yxy	45.3609, 0.3520, 0.3737
Android (android.graphics.Color)	4290753425 (0xFFBFB391)
YUV	178.7120, -16.6200, 10.7766
Hunter-Lab	67.3505, -4.6237, 17.8347

Details

The Yxy color $45.3609, 0.3520, 0.3737$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $33.9238, 0.2736, 0.2799$, and the grayscale version is $45.0054, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4966, 0.3450, 0.3659$, and $21.0482, 0.3636, 0.3865$ is the 20% darker color. If you saturate the color by 10%, you get $42.8520, 0.3702, 0.3928$, and if you desaturate by 10%, it is $48.0459, 0.3348, 0.3547$.

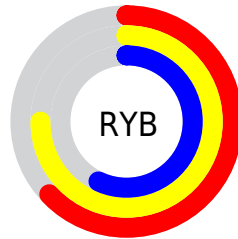
Distribution



Red (75%)

Green (70%)

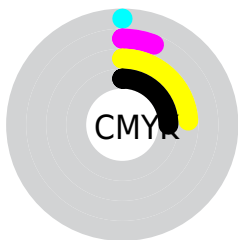
Blue (57%)



Red (63%)

Yellow (75%)

Blue (57%)

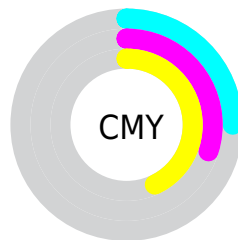


Cyan (0%)

Magenta (6%)

Yellow (24%)

Black (25%)



Cyan (25%)


Magenta (30%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3609, 0.3520, 0.3737 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 45.3609, 0.3520, 0.3737 by changing the saturation by 10% instead.


 45.3609, 0.3520,
0.3737

 45.3609, 0.3520,
0.3737


368.2333, 0.3324,
0.3513

 31.7418, 0.3569,
0.3793


 83.2617, 0.3449,
0.3655

 21.1644, 0.3631,
0.3865


 108.3122, 0.3422,
0.3625

 13.2442, 0.3712,
0.3959


137.9420, 0.3399,
0.3599

 7.5969, 0.3824,
0.4090

172.5353, 0.3380,
0.3577

 3.8381, 0.3985,
0.4280

212.4768, 0.3363,
0.3557

 1.5834, 0.4427,
0.4789

258.1506, 0.3348,

 0.3464, 0.4650,

0.3541

0.5350

309.9413, 0.3335,
0.3526

0.0000, 0.0000,
0.0000

45.3609, 0.3520,
0.3737

45.3609, 0.3520,
0.3737

42.8520, 0.3702,
0.3928

48.0459, 0.3348,
0.3547

40.5072, 0.3891,
0.4113

50.9062, 0.3189,
0.3363

38.3226, 0.4081,
0.4283

53.9488, 0.3043,
0.3188

36.2914, 0.4264,
0.4427

57.1787, 0.2911,
0.3024

34.4061, 0.4432,
0.4536

60.6003, 0.2792,
0.2873

■ 32.6583, 0.4576,
0.4601

■ 63.9155, 0.2712,
0.2780

■ 31.0379, 0.4690,
0.4617

■ 66.4112, 0.2717,
0.2837

■ 30.1302, 0.4748,
0.4612

■ 68.9846, 0.2722,
0.2894

■ 71.6367, 0.2727,
0.2950

Harmonies

Analogous

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



45.3609, 0.3648, 0.3596



45.3609, 0.3520, 0.3737



45.3609, 0.3288, 0.3758

Triad

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



45.3609, 0.3520, 0.3737



45.3609, 0.2648, 0.3160



45.3609, 0.3220, 0.2975

Complementary

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



45.3609, 0.3520, 0.3737



33.9238, 0.2736, 0.2799

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.



45.3609, 0.2951, 0.2864



45.3609, 0.3520, 0.3737



45.3609, 0.2630, 0.2959

Square

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



45.3609, 0.3520, 0.3737



45.3609, 0.2787, 0.3413



45.3609, 0.2739, 0.2856



45.3609, 0.3472, 0.3162

Rectangle

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



45.3609, 0.3520, 0.3737



45.3609, 0.3109, 0.3693



45.3609, 0.2739, 0.2856



45.3609, 0.3128, 0.2928

Sweetspot

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



45.3629, 0.3520, 0.3737



89.5424, 0.3235, 0.3418



33.7813, 0.3492, 0.3126



19.5934, 0.3245, 0.3429



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



45.3629, 0.3520, 0.3737



78.7498, 0.3617, 0.3840



49.0690, 0.3392, 0.3903



10.6859, 0.3270, 0.3459



19.9260, 0.4739, 0.4619



0.8815, 0.4582, 0.4744

Inverse Universe

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



33.9238, 0.2736, 0.2799



54.6908, 0.2640, 0.2671



31.0613, 0.2818, 0.2636



9.6210, 0.2984, 0.3116



4.0876, 0.1592, 0.0931



0.2709, 0.1729, 0.1423

Previews

White Background



This preview shows how the Yxy color 45.3609, 0.3520, 0.3737 looks on a white background.

Color Contrast Check

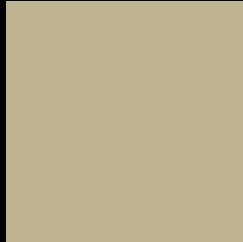
Large Text (above 18pt) WCAG AA × Fail

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 45.3609, 0.3520, 0.3737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

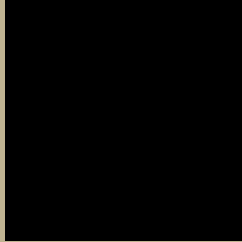
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

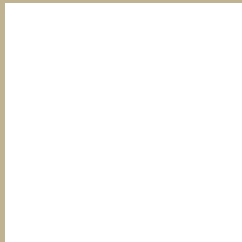
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3609, 0.3520, 0.3737

Background



This preview shows how black text looks on a background with the Yxy color 45.3609, 0.3520, 0.3737.



This preview shows how white text looks on a background with the Yxy color 45.3609, 0.3520, 0.3737.

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

45.3609, 0.3520, 0.3737

Protanopia

45.2317, 0.3510, 0.3739

Deuteranopia

45.3724, 0.3690, 0.3629



Tritanopia

45.2108, 0.3215, 0.3114

Trichromacy



Original Color

45.3609, 0.3520, 0.3737

Protanomaly

45.2317, 0.3510, 0.3739

Deuteranomaly

45.2918, 0.3627, 0.3660

Tritanomaly

45.1078, 0.3323, 0.3329

Monochromacy



Original Color

45.3609, 0.3520, 0.3737

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.0975, 0.3260, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3609, 0.3520, 0.3737 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(191, 179, 145)` looks like.

```
.text, #text, p{  
    color:rgb(191, 179, 145)  
}
```

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(191, 179, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 179, 145) }
```

Border

The CSS property to change the border of an element to Yxy 45.3609, 0.3520, 0.3737 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(191, 179, 145) }
```

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

```
.border{ border-color:rgb(191, 179, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 179, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 179, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 179, 145);  
box-shadow:4px 4px 4px 4px rgb(191, 179,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3609, 0.3520, 0.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 179, 145) }
```

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

```
.background{ background-color: rgb(191,  
179, 145) }
```

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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