

Converting Colors

$Y_{xy}(45.6262, 0.3295, 0.3419)$

Have a look what the booklet for
Yxy(45.6262, 0.3295, 0.3419)
contains.

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Color

Yxy(45.7961, 0.3288, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	BCB3A9
RGB	188, 179, 169
RGB Percent	74%, 70%, 66%
CMY	0.2628, 0.2980, 0.3372
CMYK	0.00, 0.05, 0.10, 0.26
HSL	32°, 12%, 70%
HSV	32°, 10%, 74%
XYZ	44.0157, 45.7961, 44.0558
YIQ	180.5510, 8.5740, -1.2020

Conversions

Conversions Part 2

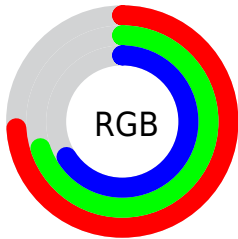
Format	Color
R _Y B	186, 188, 169
Decimal	12366761
CIE Lab	73.41, 1.43, 6.23
CIE LCh	73, 6.397, 77.043
Yxy	45.7961, 0.3288, 0.3421
Android (android.graphics.Color)	4290556841 (0xFFBCB3A9)
YUV	180.5510, -5.6946, 6.5328
Hunter-Lab	67.6728, -2.3277, 8.7725

Details

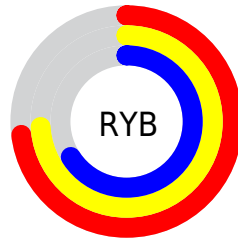
The Yxy color $45.7961, 0.3288, 0.3421$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $43.8908, 0.2973, 0.3155$, and the grayscale version is $45.9806, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.0316, 0.3258, 0.3402$, and $21.3570, 0.3339, 0.3451$ is the 20% darker color. If you saturate the color by 10%, you get $41.6966, 0.3469, 0.3558$, and if you desaturate by 10%, it is $50.2303, 0.3129, 0.3291$.

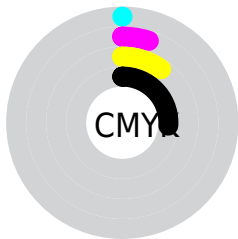
Distribution



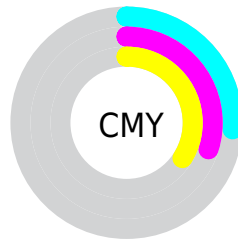
- Red (74%)
- Green (70%)
- Blue (66%)



- Red (73%)
- Yellow (74%)
- Blue (66%)



- Cyan (0%)
- Magenta (5%)
- Yellow (10%)
- Black (26%)





- Cyan (26%)
- Magenta (30%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7961, 0.3288, 0.3421 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 45.7961, 0.3288, 0.3421 by changing the saturation by 10% instead.


 45.7961, 0.3288,
0.3421

 45.7961, 0.3288,
0.3421


369.9883, 0.3207,
0.3356

 32.0849, 0.3308,
0.3437


 83.9138, 0.3259,
0.3397

 21.4264, 0.3335,
0.3458


109.0891, 0.3247,
0.3388

 13.4360, 0.3370,
0.3486


138.8545, 0.3238,
0.3381

 7.7295, 0.3419,
0.3525

173.5946, 0.3230,
0.3374

 3.9223, 0.3493,
0.3584

213.6936, 0.3223,
0.3369

 1.6302, 0.3617,
0.3680

259.5359, 0.3217,

 0.3778, 0.5106,

0.3364

0.4894

311.5060, 0.3212,
0.3359

0.0000, 0.0000,
0.0000

45.7961, 0.3288,
0.3421

45.7961, 0.3288,
0.3421

41.6966, 0.3469,
0.3558

50.2303, 0.3129,
0.3291

37.9173, 0.3672,
0.3699

55.0013, 0.2989,
0.3170

34.4509, 0.3898,
0.3839

60.1191, 0.2866,
0.3057

31.2882, 0.4143,
0.3971

65.5913, 0.2760,
0.2954

28.4188, 0.4401,
0.4085

70.8998, 0.2708,
0.2942

■ 25.8318, 0.4662,
0.4170

■ 75.7807, 0.2718,
0.3041

■ 23.5154, 0.4913,
0.4213

■ 80.9141, 0.2727,
0.3140

■ 21.4561, 0.5136,
0.4205

■ 86.3038, 0.2736,
0.3236

■ 19.6480, 0.5328,
0.4152

■ 89.4281, 0.2741,
0.3289

Harmonies

Analogous

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



45.7961, 0.3304, 0.3361



45.7961, 0.3288, 0.3421



45.7961, 0.3229, 0.3447

Triad

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



45.7961, 0.3288, 0.3421



45.7961, 0.2985, 0.3295



45.7961, 0.3110, 0.3155

Complementary

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



45.7961, 0.3288, 0.3421



43.8908, 0.2973, 0.3155

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.



45.7961, 0.3025, 0.3137



45.7961, 0.3288, 0.3421



45.7961, 0.2954, 0.3216

Square

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



45.7961, 0.3288, 0.3421



45.7961, 0.3054, 0.3374



45.7961, 0.2968, 0.3158



45.7961, 0.3200, 0.3208

Rectangle

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



45.7961, 0.3288, 0.3421



45.7961, 0.3173, 0.3441



45.7961, 0.2968, 0.3158



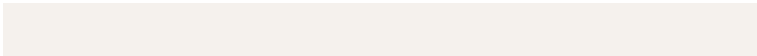
45.7961, 0.3080, 0.3145

Sweetspot

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



45.7981, 0.3288, 0.3421



88.6246, 0.3174, 0.3329



42.2858, 0.3222, 0.3171



18.9171, 0.3186, 0.3339



95.5105, 0.3127, 0.3290



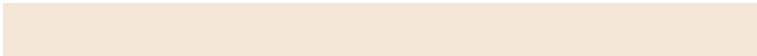
19.5994, 0.3127, 0.3290

Same Dimension

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



45.7981, 0.3288, 0.3421



81.4146, 0.3324, 0.3449



49.4679, 0.3273, 0.3535



10.3472, 0.3276, 0.3411



13.5313, 0.5310, 0.4166



0.6601, 0.4974, 0.4433

Inverse Universe

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



43.8908, 0.2973, 0.3155



77.2958, 0.2940, 0.3125



40.4764, 0.2974, 0.3033



9.9485, 0.2984, 0.3166



7.4600, 0.1752, 0.1507



0.4232, 0.1878, 0.1961

Previews

White Background



This preview shows how the Yxy color 45.7961, 0.3288, 0.3421 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 45.7961, 0.3288, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

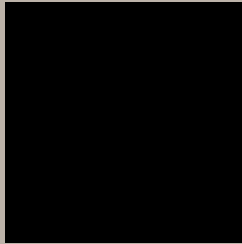
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7961, 0.3288, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 45.7961, 0.3288, 0.3421.



This preview shows how white text looks on a background with the Yxy color 45.7961, 0.3288, 0.3421.

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

45.7961, 0.3288, 0.3421

Protanopia

45.9462, 0.3269, 0.3435

Deuteranopia

45.7309, 0.3415, 0.3341



Tritanopia

45.8447, 0.3144, 0.3113

Trichromacy



Original Color

45.7961, 0.3288, 0.3421

Protanomaly

46.0719, 0.3278, 0.3434

Deuteranomaly

45.8233, 0.3366, 0.3367

Tritanomaly

45.7688, 0.3200, 0.3226

Monochromacy



Original Color

45.7961, 0.3288, 0.3421

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.0072, 0.3186, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7961, 0.3288, 0.3421 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(188, 179, 169)` looks like.

```
.text, #text, p{  
    color:rgb(188, 179, 169)  
}
```

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(188, 179, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 179, 169) }
```

Border

The CSS property to change the border of an element to Yxy 45.7961, 0.3288, 0.3421 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(188, 179, 169) }
```

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

```
.border{ border-color:rgb(188, 179, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 179, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 179, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 179, 169);  
box-shadow:4px 4px 4px 4px rgb(188, 179,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7961, 0.3288, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 179, 169) }
```

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

```
.background{ background-color: rgb(188,  
179, 169) }
```

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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