

Converting Colors

Yxy(50.0527, 0.3281, 0.3575)

Have a look what the booklet for
Yxy(50.0527, 0.3281, 0.3575)
contains.

Yxy(50.1817, 0.3280, 0.3587)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.1817, 0.3280, 0.3587)

Conversions

Conversions Part 1

Format	Color
Hex	BBBEA7
RGB	187, 190, 167
RGB Percent	73%, 75%, 65%
CMY	0.2666, 0.2549, 0.3451
CMYK	0.02, 0.00, 0.12, 0.25
HSL	68°, 15%, 70%
HSV	68°, 12%, 75%
XYZ	45.8868, 50.1817, 43.8303
YIQ	186.4810, 5.5950, -7.7890

Conversions

Conversions Part 2

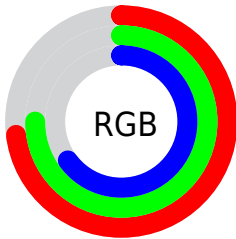
Format	Color
RYB	167, 190, 170
Decimal	12304039
CIELab	76.18, -5.09, 11.26
CIELCh	76, 12.356, 114.324
Yxy	50.1817, 0.3280, 0.3587
Android (android.graphics.Color)	4290494119 (0xFFBBBEA7)
YUV	186.4810, -9.6041, 0.4552
Hunter-Lab	70.8390, -8.3429, 12.9028

Details

The Yxy color $50.1817, 0.3280, 0.3587$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $39.9022, 0.2964, 0.2980$, and the grayscale version is $49.4425, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.2401, 0.3253, 0.3532$, and $24.1975, 0.3324, 0.3677$ is the 20% darker color. If you saturate the color by 10%, you get $49.2246, 0.3408, 0.3842$, and if you desaturate by 10%, it is $51.2517, 0.3153, 0.3340$.

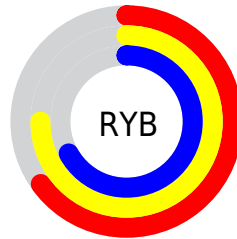
Distribution



Red (73%)

Green (75%)

Blue (65%)



Red (65%)

Yellow (75%)

Blue (67%)

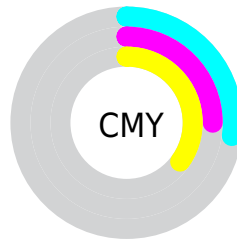


Cyan (2%)

Magenta (0%)

Yellow (12%)

Black (25%)



Cyan (27%)


Magenta (25%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1817, 0.3280, 0.3587 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 50.1817, 0.3280, 0.3587 by changing the saturation by 10% instead.


 50.1817, 0.3280,
0.3587


 50.1817, 0.3280,
0.3587


387.3761, 0.3205,
0.3439

 35.5578, 0.3298,
0.3624


 90.4440, 0.3253,
0.3533

 24.0929, 0.3321,
0.3671


 116.8512, 0.3243,
0.3513

 15.4025, 0.3351,
0.3734


147.9550, 0.3234,
0.3496

 9.1024, 0.3392,
0.3822

184.1397, 0.3227,
0.3481

 4.8080, 0.3450,
0.3952

225.7898, 0.3221,
0.3468

 2.1351, 0.3539,
0.4165

273.2896, 0.3215,

 0.6842, 0.4347,

0.3457

0.5653

327.0236, 0.3210,
0.3448

0.0000, 0.0000,
0.0000

50.1817, 0.3280,
0.3587

50.1817, 0.3280,
0.3587

49.2246, 0.3408,
0.3842

51.2517, 0.3153,
0.3340

48.3694, 0.3534,
0.4100

52.4323, 0.3031,
0.3107

47.6134, 0.3653,
0.4351

53.7297, 0.2915,
0.2889

46.9513, 0.3759,
0.4587

55.1477, 0.2807,
0.2688

46.3775, 0.3847,
0.4796

56.2302, 0.2749,
0.2572

■ 45.8854, 0.3913,
0.4969

■ 56.5698, 0.2766,
0.2575

■ 45.4678, 0.3953,
0.5101

■ 56.9147, 0.2783,
0.2579

■ 45.1158, 0.3968,
0.5187

■ 57.2652, 0.2801,
0.2582

■ 44.8708, 0.3967,
0.5232

■ 57.6212, 0.2818,
0.2586

Harmonies

Analogous

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



50.1817, 0.3408, 0.3553



50.1817, 0.3280, 0.3587



50.1817, 0.3113, 0.3537

Triad

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



50.1817, 0.3280, 0.3587



50.1817, 0.2804, 0.3117



50.1817, 0.3300, 0.3169

Complementary

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



50.1817, 0.3280, 0.3587



39.9022, 0.2964, 0.2980

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.



50.1817, 0.3134, 0.3060



50.1817, 0.3280, 0.3587



50.1817, 0.2851, 0.3027

Square

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



50.1817, 0.3280, 0.3587



50.1817, 0.2841, 0.3259



50.1817, 0.2970, 0.3008



50.1817, 0.3421, 0.3310

Rectangle

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



50.1817, 0.3280, 0.3587



50.1817, 0.3003, 0.3461



50.1817, 0.2970, 0.3008



50.1817, 0.3248, 0.3128

Sweetspot

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



50.1839, 0.3280, 0.3587



92.4825, 0.3178, 0.3388



42.3708, 0.3338, 0.3326



20.2750, 0.3188, 0.3406



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.



50.1839, 0.3280, 0.3587



90.3763, 0.3320, 0.3667



48.8253, 0.3185, 0.3596



11.0563, 0.3245, 0.3518



29.8617, 0.3970, 0.5230



1.1874, 0.4027, 0.5185

Inverse Universe

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



39.9022, 0.2964, 0.2980



67.4065, 0.2917, 0.2892



41.2044, 0.3062, 0.2989



9.2829, 0.3003, 0.3054



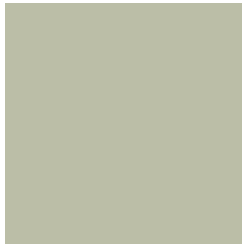
2.6255, 0.1555, 0.0630



0.1224, 0.1724, 0.0724

Previews

White Background



This preview shows how the Yxy color 50.1817, 0.3280, 0.3587 looks on a white background.

Color Contrast Check

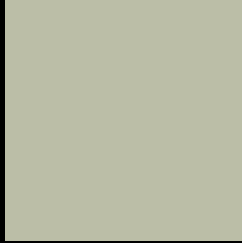
Large Text (above 18pt) WCAG AA × Fail

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 50.1817, 0.3280, 0.3587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

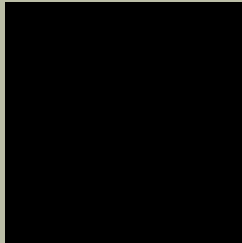
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

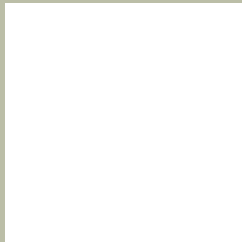
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1817, 0.3280, 0.3587

Background



This preview shows how black text looks on a background with the Yxy color 50.1817, 0.3280, 0.3587.



This preview shows how white text looks on a background with the Yxy color 50.1817, 0.3280, 0.3587.

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

50.1817, 0.3280, 0.3587

Protanopia

50.0296, 0.3371, 0.3556

Deuteranopia

50.0585, 0.3509, 0.3436



Tritanopia

50.0745, 0.3070, 0.3105

Trichromacy



Original Color

50.1817, 0.3280, 0.3587

Protanomaly

50.0571, 0.3343, 0.3571

Deuteranomaly

49.9455, 0.3431, 0.3489

Tritanomaly

50.1186, 0.3144, 0.3277

Monochromacy



Original Color

50.1817, 0.3280, 0.3587

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.2344, 0.3181, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1817, 0.3280, 0.3587 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(187, 190, 167)` looks like.

```
.text, #text, p{  
    color:rgb(187, 190, 167)  
}
```

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(187, 190, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 190, 167) }
```

Border

The CSS property to change the border of an element to Yxy 50.1817, 0.3280, 0.3587 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(187, 190, 167) }
```

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

```
.border{ border-color:rgb(187, 190, 167) }
```

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

Here you see how a box with a 4 pixel rgb(187, 190, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 190, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 190, 167);  
box-shadow:4px 4px 4px 4px rgb(187, 190,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1817, 0.3280, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 190, 167) }
```

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

```
.background{ background-color: rgb(187,  
190, 167) }
```

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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