

Converting Colors

$Yxy(45.4597, 0.3254, 0.3509)$

Have a look what the booklet for
Yxy(45.4597, 0.3254, 0.3509)
contains.

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Color

Yxy(45.4677, 0.3247, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	B4B5A5
RGB	180, 181, 165
RGB Percent	71%, 71%, 65%
CMY	0.2942, 0.2901, 0.3529
CMYK	0.01, 0.00, 0.09, 0.29
HSL	64°, 10%, 68%
HSV	64°, 9%, 71%
XYZ	42.1329, 45.4677, 42.1588
YIQ	178.8770, 4.5400, -5.1880

Conversions

Conversions Part 2

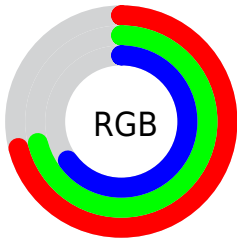
Format	Color
RYB	165, 181, 166
Decimal	11842981
CIELab	73.20, -3.24, 8.02
CIElCh	73, 8.649, 111.989
Yxy	45.4677, 0.3247, 0.3504
Android (android.graphics.Color)	4290033061 (0xFFB4B5A5)
YUV	178.8770, -6.8414, 0.9849
Hunter-Lab	67.4297, -6.4679, 10.1312

Details

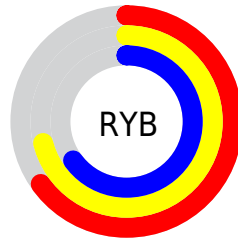
The Yxy color $45.4677, 0.3247, 0.3504$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $38.3656, 0.3002, 0.3068$, and the grayscale version is $45.0447, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.5685, 0.3227, 0.3466$, and $21.1426, 0.3282, 0.3567$ is the 20% darker color. If you saturate the color by 10%, you get $44.7149, 0.3386, 0.3754$, and if you desaturate by 10%, it is $46.3189, 0.3112, 0.3263$.

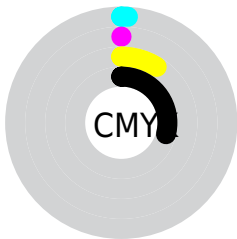
Distribution



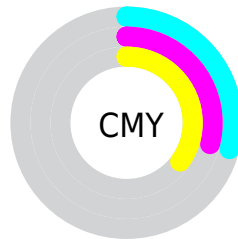
- Red (71%)
- Green (71%)
- Blue (65%)



- Red (65%)
- Yellow (71%)
- Blue (65%)



- Cyan (1%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)



- Cyan (29%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4677, 0.3247, 0.3504 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 45.4677, 0.3247, 0.3504 by changing the saturation by 10% instead.

■ 45.4677, 0.3247,
0.3504

■ 45.4677, 0.3247,
0.3504

■ 368.6645, 0.3187,
0.3396

■ 31.8260, 0.3262,
0.3531

■ 83.4218, 0.3225,
0.3464

■ 21.2286, 0.3281,
0.3567

■ 108.5030, 0.3217,
0.3450

■ 13.2912, 0.3306,
0.3615

■ 138.1661, 0.3210,
0.3437

■ 7.6294, 0.3342,
0.3682

■ 172.7955, 0.3204,
0.3426

■ 3.8587, 0.3394,
0.3785

■ 212.7757, 0.3199,
0.3417

■ 1.5949, 0.3480,
0.3959

■ 258.4910, 0.3195,

■ 0.3541, 0.4210,

0.3409

0.5790

310.3258, 0.3191,
0.3402

0.0000, 0.0000,
0.0000

45.4677, 0.3247,
0.3504

45.4677, 0.3247,
0.3504

44.7149, 0.3386,
0.3754

46.3189, 0.3112,
0.3263

44.0508, 0.3524,
0.4006

47.2664, 0.2982,
0.3034

43.4731, 0.3656,
0.4253

48.3155, 0.2861,
0.2820

42.9774, 0.3779,
0.4484

49.4695, 0.2748,
0.2624

42.5586, 0.3885,
0.4691

50.6981, 0.2647,
0.2449

■ 42.2114, 0.3970,
0.4864

■ 50.8469, 0.2655,
0.2451

■ 41.9296, 0.4030,
0.4996

■ 50.9969, 0.2664,
0.2453

■ 41.7058, 0.4065,
0.5085

■ 51.1482, 0.2672,
0.2455

■ 41.5274, 0.4078,
0.5137

■ 51.3007, 0.2680,
0.2457

Harmonies

Analogous

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



45.4677, 0.3336, 0.3477



45.4677, 0.3247, 0.3504



45.4677, 0.3127, 0.3472

Triad

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



45.4677, 0.3247, 0.3504



45.4677, 0.2892, 0.3173



45.4677, 0.3244, 0.3195

Complementary

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



45.4677, 0.3247, 0.3504



38.3656, 0.3002, 0.3068

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.



45.4677, 0.3123, 0.3117



45.4677, 0.3247, 0.3504



45.4677, 0.2922, 0.3103

Square

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



45.4677, 0.3247, 0.3504



45.4677, 0.2924, 0.3277



45.4677, 0.3006, 0.3084



45.4677, 0.3334, 0.3297

Rectangle

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



45.4677, 0.3247, 0.3504



45.4677, 0.3047, 0.3420



45.4677, 0.3006, 0.3084



45.4677, 0.3206, 0.3165

Sweetspot

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



45.4697, 0.3247, 0.3504



82.2811, 0.3168, 0.3363



39.7474, 0.3277, 0.3301



17.7575, 0.3179, 0.3382



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



45.4697, 0.3247, 0.3504



81.0900, 0.3279, 0.3562



44.5652, 0.3179, 0.3508



9.8778, 0.3253, 0.3516



28.6215, 0.4081, 0.5142



0.9090, 0.4114, 0.5115

Inverse Universe

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



38.3656, 0.3002, 0.3068



65.2474, 0.2966, 0.3005



39.2294, 0.3071, 0.3073



8.2558, 0.2995, 0.3055



2.3645, 0.1525, 0.0614



0.0831, 0.1629, 0.0671

Previews

White Background



This preview shows how the Yxy color 45.4677, 0.3247, 0.3504 looks on a white background.

Color Contrast Check

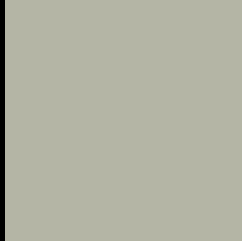
Large Text (above 18pt) WCAG AA × Fail

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 45.4677, 0.3247, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

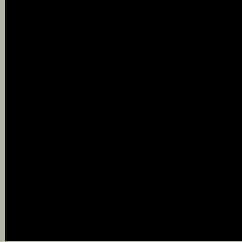
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

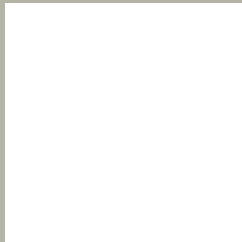
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4677, 0.3247, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 45.4677, 0.3247, 0.3504.



This preview shows how white text looks on a background with the Yxy color 45.4677, 0.3247, 0.3504.

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

45.4677, 0.3247, 0.3504

Protanopia

45.4853, 0.3321, 0.3488

Deuteranopia

45.2337, 0.3444, 0.3367



Tritanopia

45.3962, 0.3075, 0.3110

Trichromacy



Original Color

45.4677, 0.3247, 0.3504

Protanomaly

45.5132, 0.3293, 0.3502

Deuteranomaly

45.2732, 0.3373, 0.3420

Tritanomaly

45.2855, 0.3138, 0.3238

Monochromacy



Original Color

45.4677, 0.3247, 0.3504

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2822, 0.3167, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4677, 0.3247, 0.3504 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(180, 181, 165)` looks like.

```
.text, #text, p{  
    color:rgb(180, 181, 165)  
}
```

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(180, 181, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 181, 165) }
```

Border

The CSS property to change the border of an element to Yxy 45.4677, 0.3247, 0.3504 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(180, 181, 165) }
```

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

```
.border{ border-color:rgb(180, 181, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 181, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 181, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 181, 165);  
box-shadow:4px 4px 4px 4px rgb(180, 181,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4677, 0.3247, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 181, 165) }
```

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

```
.background{ background-color: rgb(180,  
181, 165) }
```

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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