

Converting Colors

$Y_{xy}(49.5599, 0.3271, 0.3527)$

Have a look what the booklet for
Yxy(49.5599, 0.3271, 0.3527)
contains.

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Color

Yxy(49.5601, 0.3268, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	BCBCAA
RGB	188, 188, 170
RGB Percent	74%, 74%, 67%
CMY	0.2626, 0.2628, 0.3333
CMYK	0.00, 0.00, 0.10, 0.26
HSL	60°, 12%, 70%
HSV	60°, 10%, 74%
XYZ	45.9859, 49.5601, 45.1698
YIQ	185.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

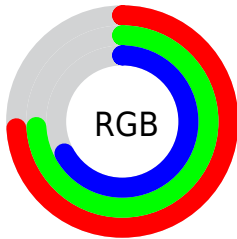
Format	Color
RYB	170, 188, 170
Decimal	12369066
CIELab	75.80, -3.16, 9.11
CIElCh	76, 9.643, 109.127
Yxy	49.5601, 0.3268, 0.3522
Android (android.graphics.Color)	4290559146 (0xFFBCBCAA)
YUV	185.9480, -7.8624, 1.7996
Hunter-Lab	70.3989, -6.5986, 11.2373

Details

The Yxy color $49.5601, 0.3268, 0.3522$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.9470, 0.2980, 0.3047$, and the grayscale version is $49.1189, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.3707, 0.3243, 0.3481$, and $23.7868, 0.3308, 0.3588$ is the 20% darker color. If you saturate the color by 10%, you get $48.8762, 0.3418, 0.3770$, and if you desaturate by 10%, it is $50.3501, 0.3121, 0.3281$.

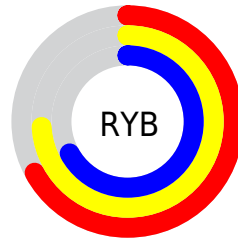
Distribution



Red (74%)

Green (74%)

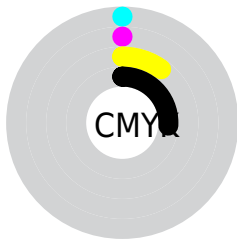
Blue (67%)



Red (67%)

Yellow (74%)

Blue (67%)

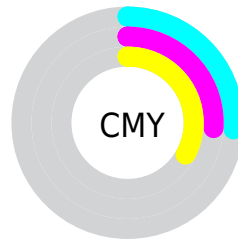


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5601, 0.3268, 0.3522 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 49.5601, 0.3268, 0.3522 by changing the saturation by 10% instead.


 49.5601, 0.3268,
0.3522

 49.5601, 0.3268,
0.3522


384.9432, 0.3199,
0.3406

 35.0640, 0.3285,
0.3551


 89.5228, 0.3243,
0.3480

 23.7122, 0.3307,
0.3588

115.7581, 0.3234,
0.3464

 15.1202, 0.3335,
0.3637


146.6753, 0.3226,
0.3451

 8.9038, 0.3374,
0.3705


182.6588, 0.3219,
0.3440

 4.6785, 0.3431,
0.3806

224.0929, 0.3213,
0.3430

 2.0599, 0.3520,
0.3972

271.3621, 0.3207,

 0.6419, 0.4309,

0.3421

0.5190

324.8507, 0.3203,
0.3413

0.0000, 0.0000,
0.0000

49.5601, 0.3268,
0.3522

49.5601, 0.3268,
0.3522

48.8762, 0.3418,
0.3770

50.3501, 0.3121,
0.3281

48.2877, 0.3569,
0.4017

51.2439, 0.2982,
0.3050

47.7920, 0.3713,
0.4255

52.2473, 0.2851,
0.2834

47.3843, 0.3847,
0.4475

53.3640, 0.2729,
0.2634

47.0591, 0.3964,
0.4667

54.0029, 0.2670,
0.2537

■ 46.8103, 0.4059,
0.4823

■ 54.0274, 0.2670,
0.2537

■ 46.6311, 0.4130,
0.4937

■ 54.0520, 0.2670,
0.2538

■ 46.5133, 0.4174,
0.5010

■ 54.0766, 0.2670,
0.2539

■ 46.4415, 0.4198,
0.5047

■ 54.1012, 0.2670,
0.2539

Harmonies

Analogous

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



49.5601, 0.3359, 0.3486



49.5601, 0.3268, 0.3522



49.5601, 0.3140, 0.3493

Triad

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



49.5601, 0.3268, 0.3522



49.5601, 0.2873, 0.3173



49.5601, 0.3242, 0.3177

Complementary

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



49.5601, 0.3268, 0.3522



40.9470, 0.2980, 0.3047

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.



49.5601, 0.3110, 0.3098



49.5601, 0.3268, 0.3522



49.5601, 0.2899, 0.3093

Square

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



49.5601, 0.3268, 0.3522



49.5601, 0.2914, 0.3288



49.5601, 0.2985, 0.3066



49.5601, 0.3345, 0.3287

Rectangle

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



49.5601, 0.3268, 0.3522



49.5601, 0.3052, 0.3441



49.5601, 0.2985, 0.3066



49.5601, 0.3200, 0.3146

Sweetspot

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



49.5623, 0.3268, 0.3522



90.6880, 0.3171, 0.3363



42.3587, 0.3290, 0.3287



19.4769, 0.3183, 0.3382



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.



49.5623, 0.3268, 0.3522



89.4343, 0.3307, 0.3586



48.5106, 0.3194, 0.3528



11.1154, 0.3264, 0.3516



31.6027, 0.4198, 0.5048



1.2395, 0.4197, 0.5049

Inverse Universe

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



40.9470, 0.2980, 0.3047



69.9546, 0.2937, 0.2976



41.9312, 0.3056, 0.3052



9.2299, 0.2984, 0.3054



2.4825, 0.1501, 0.0602



0.0989, 0.1503, 0.0611

Previews

White Background



This preview shows how the Yxy color 49.5601, 0.3268, 0.3522 looks on a white background.

Color Contrast Check

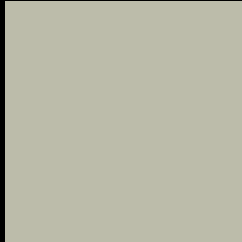
Large Text (above 18pt) WCAG AA × Fail

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 49.5601, 0.3268, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

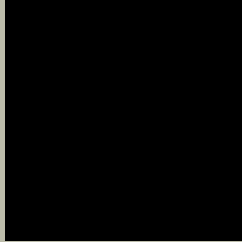
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

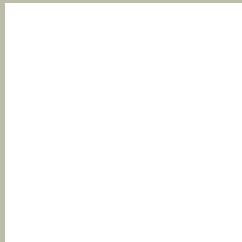
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5601, 0.3268, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 49.5601, 0.3268, 0.3522.



This preview shows how white text looks on a background with the Yxy color 49.5601, 0.3268, 0.3522.

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

49.5601, 0.3268, 0.3522

Protanopia

49.4517, 0.3330, 0.3507

Deuteranopia

49.3227, 0.3459, 0.3388



Tritanopia

49.5647, 0.3085, 0.3116

Trichromacy



Original Color

49.5601, 0.3268, 0.3522

Protanomaly

49.6117, 0.3311, 0.3520

Deuteranomaly

49.3638, 0.3390, 0.3440

Tritanomaly

49.4051, 0.3154, 0.3252

Monochromacy



Original Color

49.5601, 0.3268, 0.3522

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.4007, 0.3181, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5601, 0.3268, 0.3522 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, 188, 170)` looks like.

```
.text, #text, p{  
    color:rgb(188, 188, 170)  
}
```

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, 188, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 188, 170) }
```

Border

The CSS property to change the border of an element to Yxy 49.5601, 0.3268, 0.3522 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, 188, 170) }
```

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

```
.border{ border-color:rgb(188, 188, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 188, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 188, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 188, 170);  
box-shadow:4px 4px 4px 4px rgb(188, 188,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5601, 0.3268, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 188, 170) }
```

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

```
.background{ background-color: rgb(188,  
188, 170) }
```

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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