

Converting Colors

$Yxy(49.4827, 0.3462, 0.3538)$

Have a look what the booklet for
Yxy(49.4827, 0.3462, 0.3538)
contains.

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Color

Yxy(49.6578, 0.3455, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	CBB8A4
RGB	203, 184, 164
RGB Percent	80%, 72%, 64%
CMY	0.2040, 0.2784, 0.3569
CMYK	0.00, 0.09, 0.19, 0.20
HSL	31°, 27%, 72%
HSV	31°, 19%, 80%
XYZ	48.4655, 49.6578, 42.1530
YIQ	187.4010, 17.7440, -2.1920

Conversions

Conversions Part 2

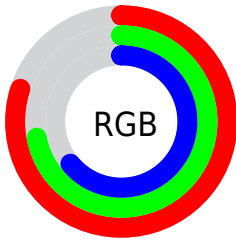
Format	Color
RYB	201, 203, 164
Decimal	13351076
CIELab	75.86, 3.51, 12.61
CIELCh	76, 13.092, 74.439
Yxy	49.6578, 0.3455, 0.3540
Android (android.graphics.Color)	4291541156 (0xFFCBB8A4)
YUV	187.4010, -11.5367, 13.6803
Hunter-Lab	70.4683, -0.5539, 13.8615

Details

The Yxy color $49.6578, 0.3455, 0.3540$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $46.0574, 0.2827, 0.3026$, and the grayscale version is $49.9911, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.6946, 0.3360, 0.3498$, and $23.7920, 0.3555, 0.3610$ is the 20% darker color. If you saturate the color by 10%, you get $45.0225, 0.3659, 0.3678$, and if you desaturate by 10%, it is $54.7011, 0.3274, 0.3407$.

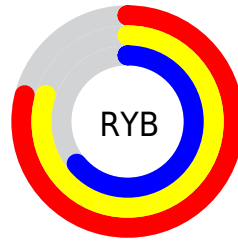
Distribution



Red (80%)

Green (72%)

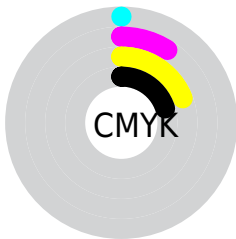
Blue (64%)



Red (79%)

Yellow (80%)

Blue (64%)

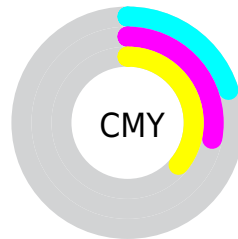


Cyan (0%)

Magenta (9%)

Yellow (19%)

Black (20%)



Cyan (20%)

Magenta (28%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6578, 0.3455, 0.3540 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 49.6578, 0.3455, 0.3540 by changing the saturation by 10% instead.


 49.6578, 0.3455,
0.3540


 49.6578, 0.3455,
0.3540


385.3262, 0.3292,
0.3418

 35.1416, 0.3495,
0.3570


 89.6677, 0.3396,
0.3496

 23.7720, 0.3547,
0.3607


 115.9301, 0.3374,
0.3480

 15.1645, 0.3614,
0.3656


146.8767, 0.3355,
0.3465

 8.9349, 0.3708,
0.3723

182.8918, 0.3339,
0.3453

 4.6988, 0.3845,
0.3818

224.3600, 0.3325,
0.3443

 2.0716, 0.4064,
0.3963

271.6655, 0.3313,

 0.6486, 0.5198,

0.3433

0.4802

325.1928, 0.3302,
0.3425

0.0000, 0.0000,
0.0000

49.6578, 0.3455,
0.3540

49.6578, 0.3455,
0.3540

45.0225, 0.3659,
0.3678

54.7011, 0.3274,
0.3407

40.7773, 0.3887,
0.3815

60.1566, 0.3115,
0.3280

36.9123, 0.4136,
0.3946

66.0368, 0.2976,
0.3162

33.4148, 0.4400,
0.4059

72.3517, 0.2855,
0.3053

30.2711, 0.4670,
0.4143

78.4165, 0.2806,
0.3060

■ 27.4663, 0.4929,
0.4186

■ 84.1789, 0.2813,
0.3166

■ 24.9837, 0.5163,
0.4177

■ 90.2595, 0.2820,
0.3270

■ 22.7995, 0.5361,
0.4118

■ 91.4334, 0.2821,
0.3289

■ 22.6361, 0.5377,
0.4113

Harmonies

Analogous

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



49.6578, 0.3479, 0.3413



49.6578, 0.3455, 0.3540



49.6578, 0.3341, 0.3604

Triad

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



49.6578, 0.3455, 0.3540



49.6578, 0.2855, 0.3312



49.6578, 0.3074, 0.3020

Complementary

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



49.6578, 0.3455, 0.3540



46.0574, 0.2827, 0.3026

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.



49.6578, 0.2911, 0.2989



49.6578, 0.3455, 0.3540



49.6578, 0.2788, 0.3151

Square

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



49.6578, 0.3455, 0.3540



49.6578, 0.2994, 0.3472



49.6578, 0.2808, 0.3034



49.6578, 0.3256, 0.3118

Rectangle

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



49.6578, 0.3455, 0.3540



49.6578, 0.3232, 0.3598



49.6578, 0.2808, 0.3034



49.6578, 0.3016, 0.3001

Sweetspot

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



49.6600, 0.3455, 0.3540



94.3949, 0.3222, 0.3366



42.6846, 0.3320, 0.3048



20.0772, 0.3233, 0.3375



0.0000, 0.0000, 0.0000



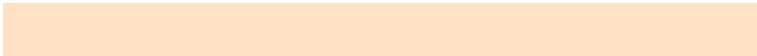
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6600, 0.3455, 0.3540



79.9051, 0.3536, 0.3596



58.0754, 0.3414, 0.3764



12.1502, 0.3277, 0.3409



14.5921, 0.5356, 0.4129



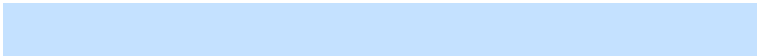
0.9044, 0.5069, 0.4357

Inverse Universe

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



46.0574, 0.2827, 0.3026



72.7933, 0.2760, 0.2963



38.7554, 0.2811, 0.2768



11.7301, 0.2983, 0.3168



8.5776, 0.1763, 0.1547



0.5943, 0.1864, 0.1909

Previews

White Background



This preview shows how the Yxy color 49.6578, 0.3455, 0.3540 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 49.6578, 0.3455, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

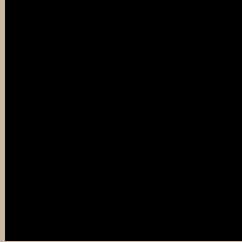
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

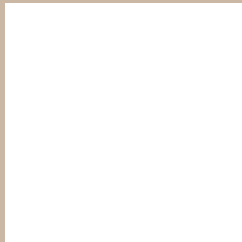
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6578, 0.3455, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 49.6578, 0.3455, 0.3540.



This preview shows how white text looks on a background with the Yxy color 49.6578, 0.3455, 0.3540.

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

49.6578, 0.3455, 0.3540

Protanopia

49.4365, 0.3372, 0.3558

Deuteranopia

49.5053, 0.3546, 0.3473



Tritanopia

49.8030, 0.3247, 0.3122

Trichromacy



Original Color

49.6578, 0.3455, 0.3540

Protanomaly

49.4203, 0.3400, 0.3543

Deuteranomaly

49.3197, 0.3508, 0.3487

Tritanomaly

49.5885, 0.3328, 0.3266

Monochromacy



Original Color

49.6578, 0.3455, 0.3540

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.7099, 0.3241, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6578, 0.3455, 0.3540 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(203, 184, 164)` looks like.

```
.text, #text, p{  
    color:rgb(203, 184, 164)  
}
```

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(203, 184, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 184, 164) }
```

Border

The CSS property to change the border of an element to Yxy 49.6578, 0.3455, 0.3540 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(203, 184, 164) }
```

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

```
.border{ border-color:rgb(203, 184, 164) }
```

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

Here you see how a box with a 4 pixel rgb(203, 184, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 184, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 184, 164);  
box-shadow:4px 4px 4px 4px rgb(203, 184,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6578, 0.3455, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 184, 164) }
```

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

```
.background{ background-color: rgb(203,  
184, 164) }
```

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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