

Converting Colors

$Yxy(49.8561, 0.3692, 0.3565)$

Have a look what the booklet for
Yxy(49.8561, 0.3692, 0.3565)
contains.

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Color

Yxy(49.8561, 0.3692, 0.3565)

Conversions

Conversions Part 1

Format	Color
Hex	DCB39C
RGB	220, 179, 156
RGB Percent	86%, 70%, 61%
CMY	0.1373, 0.2980, 0.3882
CMYK	0.00, 0.19, 0.29, 0.14
HSL	22°, 48%, 74%
HSV	22°, 29%, 86%
XYZ	51.6322, 49.8561, 38.3605
YIQ	188.6370, 31.8190, 1.5390

Conversions

Conversions Part 2

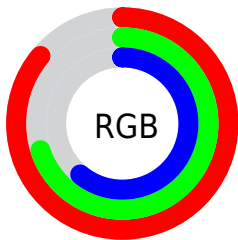
Format	Color
R_{YB}	220, 192, 156
Decimal	14463900
CIE Lab	75.98, 11.50, 17.33
CIE LCh	76, 20.802, 56.429
Yxy	49.8561, 0.3692, 0.3565
Android (android.graphics.Color)	4292653980 (0xFFDCB39C)
YUV	188.6370, -16.0900, 27.5054
Hunter-Lab	70.6089, 6.9613, 17.2150

Details

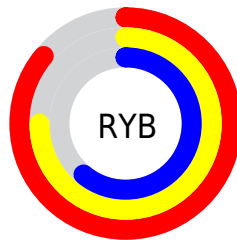
The Yxy color $49.8561, 0.3692, 0.3565$ is a light color, and the websafe version is hex `CC9999`. A complement of this color would be $52.1598, 0.2677, 0.2997$, and the grayscale version is $50.7515, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3798, 0.3420, 0.3531$, and $23.8341, 0.3849, 0.3623$ is the 20% darker color. If you saturate the color by 10%, you get $43.8168, 0.3951, 0.3664$, and if you desaturate by 10%, it is $56.6120, 0.3468, 0.3466$.

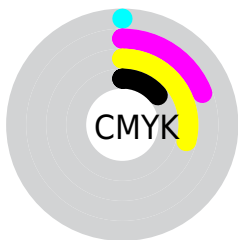
Distribution



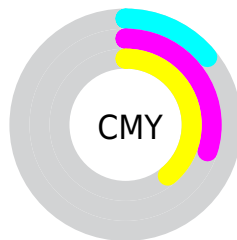
- Red (86%)
- Green (70%)
- Blue (61%)



- Red (86%)
- Yellow (75%)
- Blue (61%)



- Cyan (0%)
- Magenta (19%)
- Yellow (29%)
- Black (14%)





- Cyan (14%)
- Magenta (30%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8561, 0.3692, 0.3565 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 49.8561, 0.3692, 0.3565 by changing the saturation by 10% instead.


 49.8561, 0.3692,
0.3565


 49.8561, 0.3692,
0.3565


386.1029, 0.3411,
0.3435

 35.2991, 0.3761,
0.3595


 89.9616, 0.3590,
0.3520

 23.8933, 0.3850,
0.3632


 116.2789, 0.3552,
0.3502

 15.2545, 0.3967,
0.3678


147.2851, 0.3519,
0.3487

 8.9982, 0.4128,
0.3737

183.3645, 0.3492,
0.3474

 4.7400, 0.4360,
0.3813

224.9017, 0.3467,
0.3462

 2.0955, 0.4741,
0.3922

272.2808, 0.3446,

 0.6621, 0.5794,

0.3452

0.4206

325.8865, 0.3427,
0.3443

0.0000, 0.0000,
0.0000

49.8561, 0.3692,
0.3565

49.8561, 0.3692,
0.3565

43.8168, 0.3951,
0.3664

56.6120, 0.3468,
0.3466

38.4627, 0.4245,
0.3756

64.1009, 0.3276,
0.3371

33.7701, 0.4570,
0.3833

72.3472, 0.3113,
0.3282

29.7110, 0.4912,
0.3882

81.3720, 0.2975,
0.3199

26.2552, 0.5251,
0.3891

90.4665, 0.2915,
0.3233

■ 23.3694, 0.5556,
0.3851

■ 93.9524, 0.2917,
0.3289

■ 21.0115, 0.5806,
0.3763

■ 20.8174, 0.5828,
0.3755

Harmonies

Analogous

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



49.8561, 0.3636, 0.3333



49.8561, 0.3692, 0.3565



49.8561, 0.3589, 0.3739

Triad

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



49.8561, 0.3692, 0.3565



49.8561, 0.2817, 0.3483



49.8561, 0.2879, 0.2826

Complementary

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



49.8561, 0.3692, 0.3565



52.1598, 0.2677, 0.2997

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.



49.8561, 0.2677, 0.2844



49.8561, 0.3692, 0.3565



49.8561, 0.2642, 0.3212

Square

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



49.8561, 0.3692, 0.3565



49.8561, 0.3079, 0.3704



49.8561, 0.2592, 0.2979



49.8561, 0.3156, 0.2921

Rectangle

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



49.8561, 0.3692, 0.3565



49.8561, 0.3447, 0.3793



49.8561, 0.2592, 0.2979



49.8561, 0.2801, 0.2819

Sweetspot

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



49.8584, 0.3692, 0.3565



89.5868, 0.3276, 0.3371



43.0528, 0.3361, 0.2807



18.8326, 0.3303, 0.3385



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.



49.8584, 0.3692, 0.3565



64.3184, 0.3849, 0.3627



63.8964, 0.3593, 0.3914



13.8139, 0.3283, 0.3375



12.4126, 0.5800, 0.3777



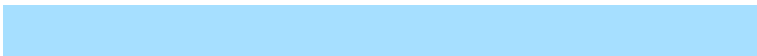
0.9642, 0.5488, 0.4024

Inverse Universe

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



52.1598, 0.2677, 0.2997



68.0280, 0.2582, 0.2924



39.3664, 0.2632, 0.2577



14.0010, 0.2982, 0.3204



14.4138, 0.1909, 0.2074



1.0948, 0.1971, 0.2295

Previews

White Background



This preview shows how the Yxy color 49.8561, 0.3692, 0.3565 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 49.8561, 0.3692, 0.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

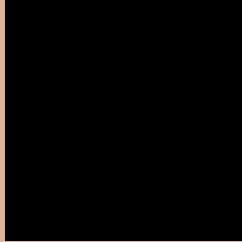
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8561, 0.3692, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 49.8561, 0.3692, 0.3565.



This preview shows how white text looks on a background with the Yxy color 49.8561, 0.3692, 0.3565.

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

49.8561, 0.3692, 0.3565

Protanopia

49.9490, 0.3428, 0.3633

Deuteranopia

49.7945, 0.3662, 0.3579



Tritanopia

49.7502, 0.3456, 0.3129

Trichromacy



Original Color

49.8561, 0.3692, 0.3565

Protanomaly

49.7633, 0.3515, 0.3601

Deuteranomaly

49.9482, 0.3671, 0.3579

Tritanomaly

49.8732, 0.3550, 0.3291

Monochromacy



Original Color

49.8561, 0.3692, 0.3565

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.1516, 0.3319, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8561, 0.3692, 0.3565 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(220, 179, 156)` looks like.

```
.text, #text, p{  
    color:rgb(220, 179, 156)  
}
```

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(220, 179, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 179, 156) }
```

Border

The CSS property to change the border of an element to Yxy 49.8561, 0.3692, 0.3565 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(220, 179, 156) }
```

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

```
.border{ border-color:rgb(220, 179, 156) }
```

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

Here you see how a box with a 4 pixel rgb(220, 179, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 179, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 179, 156);  
box-shadow:4px 4px 4px 4px rgb(220, 179,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8561, 0.3692, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 179, 156) }
```

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

```
.background{ background-color: rgb(220,  
179, 156) }
```

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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