

Converting Colors

$Y_{xy}(55.1821, 0.3616, 0.3781)$

Have a look what the booklet for
Yxy(55.1821, 0.3616, 0.3781)
contains.

| | |
|--|----|
| Yxy(55.1796, 0.3616, 0.3780) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(55.1796, 0.3616, 0.3780)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D6C299 |
| RGB | 214, 194, 153 |
| RGB Percent | 84%, 76%, 60% |
| CMY | 0.1606, 0.2393, 0.3999 |
| CMYK | 0.00, 0.09, 0.29, 0.16 |
| HSL | 40°, 43%, 72% |
| HSV | 40°, 29%, 84% |
| XYZ | 52.7856, 55.1796, 38.0126 |
| YIQ | 195.3060, 25.0810, -8.5110 |

Conversions

Conversions Part 2

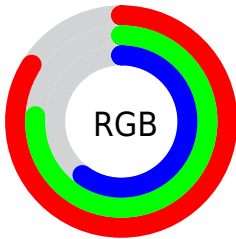
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 183, 214, 153 |
| Decimal | 14074521 |
| CIE Lab | 79.14, 0.88, 23.22 |
| CIE LCh | 79, 23.232, 87.825 |
| Yxy | 55.1796, 0.3616, 0.3780 |
| Android (android.graphics.Color) | 4292264601 (0xFFD6C299) |
| YUV | 195.3060, -20.8569, 16.3946 |
| Hunter-Lab | 74.2830, -3.1529, 21.6578 |

Details

The Yxy color $55.1796, 0.3616, 0.3780$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $41.5513, 0.2659, 0.2745$, and the grayscale version is $54.8861, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.1853, 0.3414, 0.3704$, and $27.3800, 0.3742, 0.3907$ is the 20% darker color. If you saturate the color by 10%, you get $51.4785, 0.3815, 0.3956$, and if you desaturate by 10%, it is $59.1610, 0.3430, 0.3603$.

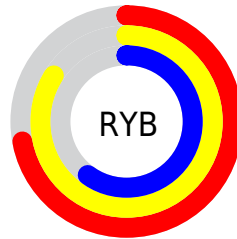
Distribution



Red (84%)

Green (76%)

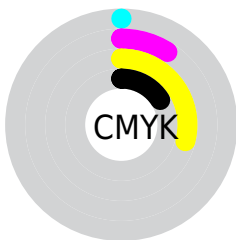
Blue (60%)



Red (72%)

Yellow (84%)

Blue (60%)

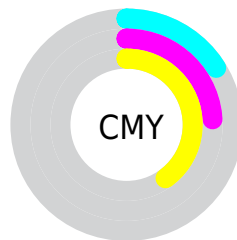


Cyan (0%)

Magenta (9%)

Yellow (29%)

Black (16%)



Cyan (16%)


Magenta (24%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1796, 0.3616, 0.3780 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 55.1796, 0.3616, 0.3780 by changing the saturation by 10% instead.


 55.1796, 0.3616,
0.3780


 55.1796, 0.3616,
0.3780


406.5924, 0.3380,
0.3544

 39.5455, 0.3672,
0.3836


 97.8040, 0.3532,
0.3696

 27.1844, 0.3743,
0.3906


 125.5632, 0.3500,
0.3664

 17.7117, 0.3833,
0.3995


158.1329, 0.3473,
0.3637

 10.7432, 0.3953,
0.4113

195.8974, 0.3449,
0.3613

 5.8945, 0.4118,
0.4274

239.2413, 0.3428,
0.3593

 2.7810, 0.4370,
0.4518

288.5488, 0.3410,

 1.0185, 0.4934,

0.3574

0.5066

344.2043, 0.3394,
0.3558

0.0000, 0.0000,
0.0000

55.1796, 0.3616,
0.3780

55.1796, 0.3616,
0.3780

51.4785, 0.3815,
0.3956

59.1610, 0.3430,
0.3603

48.0412, 0.4023,
0.4123

63.4234, 0.3260,
0.3431

44.8609, 0.4233,
0.4271

67.9771, 0.3105,
0.3266

41.9272, 0.4436,
0.4389

72.8296, 0.2967,
0.3112

39.2286, 0.4622,
0.4466

77.6587, 0.2872,
0.3019

■ 36.7518, 0.4782,
0.4494

■ 81.6365, 0.2875,
0.3094

■ 34.4778, 0.4910,
0.4473

■ 85.7740, 0.2878,
0.3168

■ 34.1534, 0.4929,
0.4468

■ 90.0730, 0.2881,
0.3241

■ 93.0441, 0.2883,
0.3289

Harmonies

Analogous

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



55.1796, 0.3736, 0.3595



55.1796, 0.3616, 0.3780



55.1796, 0.3366, 0.3838

Triad

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



55.1796, 0.3616, 0.3780



55.1796, 0.2599, 0.3191



55.1796, 0.3172, 0.2900

Complementary

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



55.1796, 0.3616, 0.3780



41.5513, 0.2659, 0.2745

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.



55.1796, 0.2872, 0.2794



55.1796, 0.3616, 0.3780



55.1796, 0.2553, 0.2944

Square

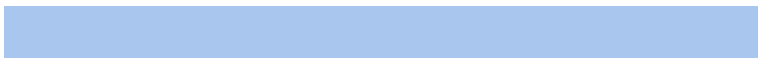
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.1796, 0.3616, 0.3780



55.1796, 0.2781, 0.3485



55.1796, 0.2650, 0.2806



55.1796, 0.3474, 0.3098

Rectangle

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



55.1796, 0.3616, 0.3780



55.1796, 0.3163, 0.3784



55.1796, 0.2650, 0.2806



55.1796, 0.3068, 0.2853

Sweetspot

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



55.1821, 0.3616, 0.3780



93.8890, 0.3269, 0.3440



40.1236, 0.3544, 0.3043



19.8919, 0.3293, 0.3465



0.0000, 0.0000, 0.0000



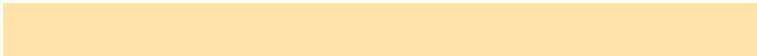
21.4041, 0.3127, 0.3290

Same Dimension

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



55.1821, 0.3616, 0.3780



78.7610, 0.3730, 0.3883



63.2409, 0.3474, 0.4018



13.7998, 0.3274, 0.3446



20.8296, 0.4915, 0.4479



1.4047, 0.4760, 0.4603

Inverse Universe

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



41.5513, 0.2659, 0.2745



55.4215, 0.2555, 0.2614



35.4527, 0.2713, 0.2486



12.6689, 0.2982, 0.3129



5.7794, 0.1633, 0.1077



0.4979, 0.1730, 0.1429

Previews

White Background



This preview shows how the Yxy color 55.1796, 0.3616, 0.3780 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 55.1796, 0.3616, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

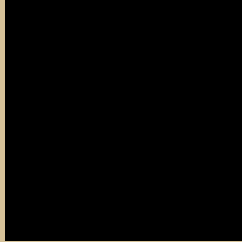
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.1796, 0.3616, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 55.1796, 0.3616, 0.3780.



This preview shows how white text looks on a background with the Yxy color 55.1796, 0.3616, 0.3780.

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

55.1796, 0.3616, 0.3780

Protanopia

55.3683, 0.3558, 0.3799

Deuteranopia

54.9575, 0.3759, 0.3681



Tritanopia

55.0206, 0.3285, 0.3119

Trichromacy



Original Color

55.1796, 0.3616, 0.3780

Protanomaly

55.2122, 0.3579, 0.3784

Deuteranomaly

55.0073, 0.3708, 0.3710

Tritanomaly

55.1930, 0.3409, 0.3361

Monochromacy



Original Color

55.1796, 0.3616, 0.3780

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.8821, 0.3298, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1796, 0.3616, 0.3780 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(214, 194, 153)` looks like.

```
.text, #text, p{  
    color:rgb(214, 194, 153)  
}
```

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(214, 194, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 194, 153) }
```

Border

The CSS property to change the border of an element to Yxy 55.1796, 0.3616, 0.3780 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(214, 194, 153) }
```

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

```
.border{ border-color:rgb(214, 194, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 194, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 194, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 194, 153);  
box-shadow:4px 4px 4px 4px rgb(214, 194,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1796, 0.3616, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 194, 153) }
```

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

```
.background{ background-color: rgb(214,  
194, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor