

Converting Colors

Yxy(64.2100, 0.3223, 0.3339)

Have a look what the booklet for
Yxy(64.2100, 0.3223, 0.3339)
contains.

Yxy(64.2231, 0.3224, 0.3335)	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(64.2231, 0.3224, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	D9D0CC
RGB	217, 208, 204
RGB Percent	85%, 82%, 80%
CMY	0.1488, 0.1844, 0.1999
CMYK	0.00, 0.04, 0.06, 0.15
HSL	18°, 15%, 83%
HSV	18°, 6%, 85%
XYZ	62.0855, 64.2231, 66.2644
YIQ	210.2350, 6.6480, 0.6640

Conversions

Conversions Part 2

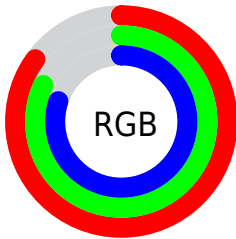
Format	Color
RYB	217, 210, 204
Decimal	14274764
CIELab	84.08, 2.44, 3.07
CIELCh	84, 3.922, 51.455
Yxy	64.2231, 0.3224, 0.3335
Android (android.graphics.Color)	4292464844 (0xFFD9D0CC)
YUV	210.2350, -3.0739, 5.9329
Hunter-Lab	80.1393, -1.9563, 7.0727

Details

The Yxy color $64.2231, 0.3224, 0.3335$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $65.4924, 0.3035, 0.3245$, and the grayscale version is $64.6356, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.9946, 0.3245, 0.3350$ is the 20% darker color. If you saturate the color by 10%, you get $56.2353, 0.3409, 0.3414$, and if you desaturate by 10%, it is $73.0637, 0.3068, 0.3261$.

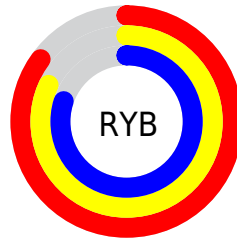
Distribution



Red (85%)

Green (82%)

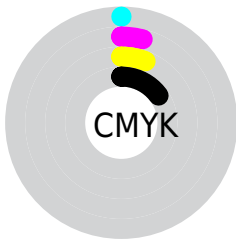
Blue (80%)



Red (85%)

Yellow (82%)

Blue (80%)

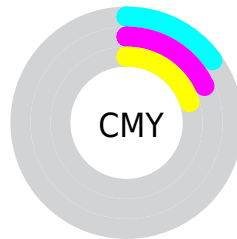


Cyan (0%)

Magenta (4%)

Yellow (6%)

Black (15%)



Cyan (15%)

Magenta (18%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2231, 0.3224, 0.3335 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 64.2231, 0.3224, 0.3335 by changing the saturation by 10% instead.

■ 64.2231, 0.3224,
0.3335

■ 64.2231, 0.3224,
0.3335

439.9948, 0.3178,
0.3314

■ 46.8314, 0.3235,
0.3340

110.9322, 0.3208,
0.3328

■ 32.9024, 0.3248,
0.3346

141.0183, 0.3202,
0.3325

■ 22.0517, 0.3266,
0.3354

176.1048, 0.3196,
0.3322

■ 13.8949, 0.3289,
0.3364

216.5759, 0.3192,
0.3320

■ 8.0476, 0.3321,
0.3378

262.8160, 0.3188,
0.3318

■ 4.1254, 0.3370,
0.3400

315.2097, 0.3184,

■ 1.7440, 0.3452,

0.3317

0.3434

374.1411, 0.3181,
0.3315

0.4519, 0.4014,
0.3708

0.0000, 0.0000,
0.0000

64.2231, 0.3224,
0.3335

64.2231, 0.3224,
0.3335

56.2353, 0.3409,
0.3414

73.0637, 0.3068,
0.3261

49.0665, 0.3628,
0.3497

82.7732, 0.2937,
0.3193

42.6926, 0.3886,
0.3582

92.4330, 0.2900,
0.3272

37.0854, 0.4184,
0.3662

93.5011, 0.2900,
0.3289

■ 32.2149, 0.4520,
0.3731

■ 28.0489, 0.4883,
0.3777

■ 24.5527, 0.5252,
0.3790

■ 21.6881, 0.5594,
0.3758

■ 19.4124, 0.5874,
0.3679

Harmonies

Analogous

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



64.2231, 0.3210, 0.3293



64.2231, 0.3224, 0.3335



64.2231, 0.3212, 0.3365

Triad

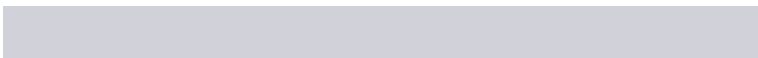
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.2231, 0.3224, 0.3335



64.2231, 0.3081, 0.3330



64.2231, 0.3077, 0.3206

Complementary

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



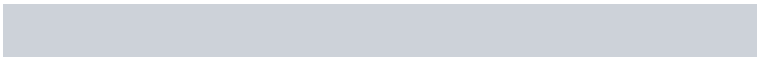
64.2231, 0.3224, 0.3335



65.4924, 0.3035, 0.3245

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.



64.2231, 0.3043, 0.3215



64.2231, 0.3224, 0.3335



64.2231, 0.3045, 0.3286

Square

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



64.2231, 0.3224, 0.3335



64.2231, 0.3129, 0.3363



64.2231, 0.3031, 0.3244



64.2231, 0.3125, 0.3219

Rectangle

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



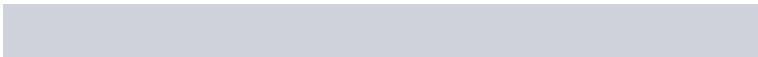
64.2231, 0.3224, 0.3335



64.2231, 0.3190, 0.3375



64.2231, 0.3031, 0.3244



64.2231, 0.3064, 0.3206

Sweetspot

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



64.2259, 0.3224, 0.3335



97.4314, 0.3159, 0.3305



62.7695, 0.3162, 0.3188



20.8813, 0.3157, 0.3304



0.0000, 0.0000, 0.0000



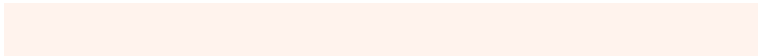
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2259, 0.3224, 0.3335



91.2292, 0.3242, 0.3343



67.4448, 0.3218, 0.3407



14.0387, 0.3251, 0.3347



11.4472, 0.5944, 0.3662



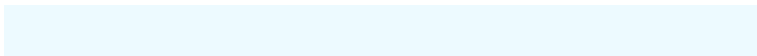
0.8911, 0.5622, 0.3918

Inverse Universe

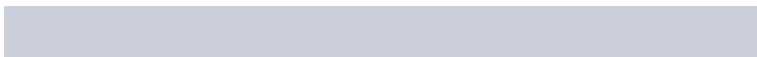
The Inverse Universe completely reimagines the original color for something new.



65.4924, 0.3035, 0.3245



93.3589, 0.3019, 0.3236



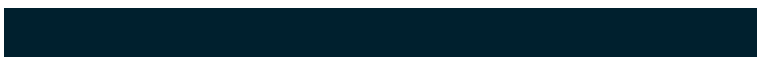
62.3005, 0.3036, 0.3170



14.3901, 0.3011, 0.3232



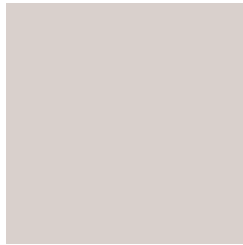
16.6390, 0.1965, 0.2273



1.2271, 0.2016, 0.2458

Previews

White Background



This preview shows how the Yxy color 64.2231, 0.3224, 0.3335 looks on a white background.

Color Contrast Check

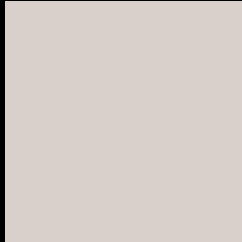
Large Text (above 18pt) WCAG AA × Fail

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 64.2231, 0.3224, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

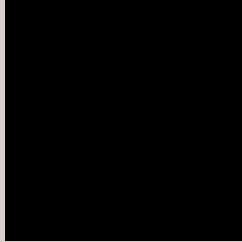
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

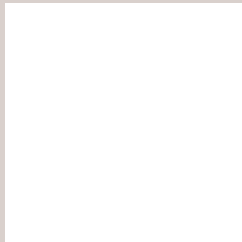
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2231, 0.3224, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 64.2231, 0.3224, 0.3335.

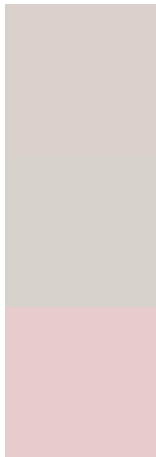


This preview shows how white text looks on a background with the Yxy color 64.2231, 0.3224, 0.3335.

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

64.2231, 0.3224, 0.3335

Protanopia

64.4076, 0.3207, 0.3347

Deuteranopia

64.2755, 0.3339, 0.3269



Tritanopia

64.0987, 0.3128, 0.3113

Trichromacy



Original Color

64.2231, 0.3224, 0.3335

Protanomaly

64.5595, 0.3215, 0.3347

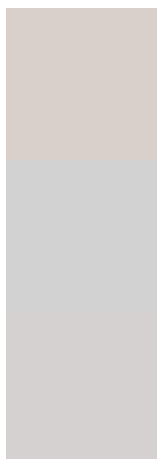
Deuteranomaly

64.4013, 0.3297, 0.3291

Tritanomaly

64.1090, 0.3162, 0.3190

Monochromacy



Original Color

64.2231, 0.3224, 0.3335

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.3011, 0.3164, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2231, 0.3224, 0.3335 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(217, 208, 204) looks like.

```
.text, #text, p{  
    color:rgb(217, 208, 204)  
}
```

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(217, 208, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 208, 204) }
```

Border

The CSS property to change the border of an element to Yxy 64.2231, 0.3224, 0.3335 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(217, 208, 204) }
```

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

```
.border{ border-color:rgb(217, 208, 204) }
```

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

Here you see how a box with a 4 pixel rgb(217, 208, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 208, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 208, 204);  
box-shadow:4px 4px 4px 4px rgb(217, 208,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2231, 0.3224, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 208, 204) }
```

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

```
.background{ background-color: rgb(217,  
208, 204) }
```

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