

Converting Colors

$Y_{xy}(42.0457, 0.3227, 0.3330)$

Have a look what the booklet for
Yxy(42.0457, 0.3227, 0.3330)
contains.

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Color

Yxy(42.0729, 0.3225, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	B4ACA9
RGB	180, 172, 169
RGB Percent	71%, 67%, 66%
CMY	0.2941, 0.3255, 0.3373
CMYK	0.00, 0.04, 0.06, 0.29
HSL	16°, 7%, 68%
HSV	16°, 6%, 71%
XYZ	40.7340, 42.0729, 43.5002
YIQ	174.0500, 5.7310, 0.7630

Conversions

Conversions Part 2

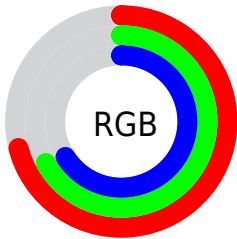
Format	Color
R_{YB}	180, 173, 169
Decimal	11840681
CIE Lab	70.92, 2.31, 2.56
CIE LCh	71, 3.452, 47.938
Yxy	42.0729, 0.3225, 0.3331
Android (android.graphics.Color)	4290030761 (0xFFB4ACA9)
YUV	174.0500, -2.4896, 5.2182
Hunter-Lab	64.8636, -1.4142, 5.6423

Details

The Yxy color **42.0729, 0.3225, 0.3331** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.1604, 0.3034, 0.3249**, and the grayscale version is **42.3654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1529, 0.3209, 0.3321**, and **19.2293, 0.3251, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **36.7170, 0.3409, 0.3402**, and if you desaturate by 10%, it is **48.0137, 0.3070, 0.3265**.

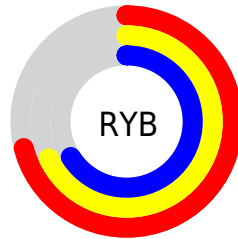
Distribution



Red (71%)

Green (67%)

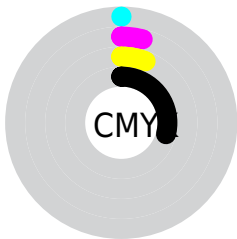
Blue (66%)



Red (71%)

Yellow (68%)

Blue (66%)

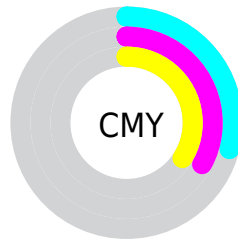


Cyan (0%)

Magenta (4%)

Yellow (6%)

Black (29%)



Cyan (29%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0729, 0.3225, 0.3331 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 42.0729, 0.3225, 0.3331 by changing the saturation by 10% instead.

■ 42.0729, 0.3225,
0.3331

■ 42.0729, 0.3225,
0.3331

■ 354.7850, 0.3175,
0.3310

■ 29.1584, 0.3238,
0.3336

■ 78.3099, 0.3207,
0.3323

■ 19.2007, 0.3254,
0.3343

■ 102.4013, 0.3200,
0.3321

■ 11.8154, 0.3277,
0.3352

■ 130.9870, 0.3194,
0.3318

■ 6.6181, 0.3309,
0.3365

■ 164.4514, 0.3189,
0.3316

■ 3.2244, 0.3359,
0.3384

■ 203.1791, 0.3185,
0.3315

■ 1.2500, 0.3446,
0.3417

■ 247.5543, 0.3181,

■ 0.1020, 0.6006,

0.3313

0.3994

297.9615, 0.3178,
0.3312

0.0000, 0.0000,
0.0000

42.0729, 0.3225,
0.3331

42.0729, 0.3225,
0.3331

36.7170, 0.3409,
0.3402

48.0137, 0.3070,
0.3265

31.9227, 0.3628,
0.3476

54.5508, 0.2940,
0.3204

27.6732, 0.3887,
0.3552

61.7024, 0.2831,
0.3149

23.9486, 0.4187,
0.3624

69.4841, 0.2738,
0.3098

20.7280, 0.4527,
0.3685

77.6521, 0.2679,
0.3094

■ 17.9889, 0.4897,
0.3727

■ 85.5003, 0.2695,
0.3238

■ 15.7072, 0.5276,
0.3737

■ 88.4429, 0.2701,
0.3289

■ 13.8561, 0.5628,
0.3707

■ 12.4054, 0.5918,
0.3634

Harmonies

Analogous

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



42.0729, 0.3208, 0.3288



42.0729, 0.3225, 0.3331



42.0729, 0.3216, 0.3364

Triad

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



42.0729, 0.3225, 0.3331



42.0729, 0.3085, 0.3335



42.0729, 0.3072, 0.3205

Complementary

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



42.0729, 0.3225, 0.3331



43.1604, 0.3034, 0.3249

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.



42.0729, 0.3039, 0.3216



42.0729, 0.3225, 0.3331



42.0729, 0.3047, 0.3292

Square

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



42.0729, 0.3225, 0.3331



42.0729, 0.3135, 0.3367



42.0729, 0.3031, 0.3248



42.0729, 0.3119, 0.3215

Rectangle

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



42.0729, 0.3225, 0.3331



42.0729, 0.3196, 0.3375



42.0729, 0.3031, 0.3248



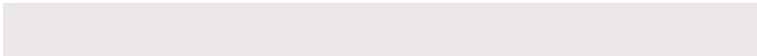
42.0729, 0.3059, 0.3206

Sweetspot

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



42.0747, 0.3225, 0.3331



80.5644, 0.3159, 0.3303



41.2485, 0.3159, 0.3182



17.4379, 0.3157, 0.3303



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.0747, 0.3225, 0.3331



75.2754, 0.3242, 0.3338



44.1797, 0.3219, 0.3403



9.0989, 0.3248, 0.3340



8.4310, 0.5997, 0.3620



0.3652, 0.5442, 0.4061

Inverse Universe

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



43.1604, 0.3034, 0.3249



77.5505, 0.3019, 0.3242



41.0626, 0.3035, 0.3174



9.3874, 0.3014, 0.3239



13.6602, 0.1996, 0.2386



0.5211, 0.2074, 0.2667

Previews

White Background



This preview shows how the Yxy color 42.0729, 0.3225, 0.3331 looks on a white background.

Color Contrast Check

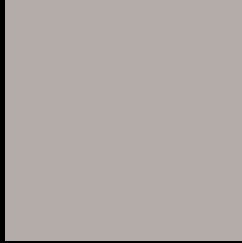
Large Text (above 18pt) WCAG AA × Fail

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 42.0729, 0.3225, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

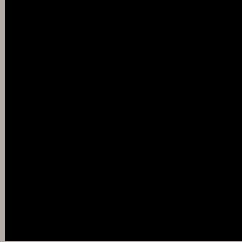
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

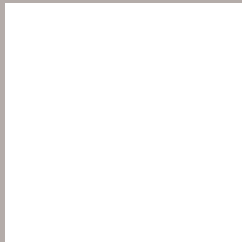
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0729, 0.3225, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 42.0729, 0.3225, 0.3331.



This preview shows how white text looks on a background with the Yxy color 42.0729, 0.3225, 0.3331.

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

42.0729, 0.3225, 0.3331

Protanopia

42.2167, 0.3206, 0.3344

Deuteranopia

42.1140, 0.3333, 0.3265



Tritanopia

42.1134, 0.3126, 0.3119

Trichromacy



Original Color

42.0729, 0.3225, 0.3331

Protanomaly

42.3354, 0.3215, 0.3344

Deuteranomaly

41.9696, 0.3294, 0.3277

Tritanomaly

42.1639, 0.3159, 0.3197

Monochromacy



Original Color

42.0729, 0.3225, 0.3331

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.0958, 0.3162, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0729, 0.3225, 0.3331 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(180, 172, 169)` looks like.

```
.text, #text, p{  
    color:rgb(180, 172, 169)  
}
```

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(180, 172, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 172, 169) }
```

Border

The CSS property to change the border of an element to Yxy 42.0729, 0.3225, 0.3331 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(180, 172, 169) }
```

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

```
.border{ border-color:rgb(180, 172, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 172, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 172, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 172, 169);  
box-shadow:4px 4px 4px 4px rgb(180, 172,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0729, 0.3225, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 172, 169) }
```

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

```
.background{ background-color: rgb(180,  
172, 169) }
```

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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