

Converting Colors

$Y_{xy}(40.7402, 0.3227, 0.3367)$

Have a look what the booklet for
Yxy(40.7402, 0.3227, 0.3367)
contains.

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Color

Yxy(40.6962, 0.3225, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	B0AAA5
RGB	176, 170, 165
RGB Percent	69%, 67%, 65%
CMY	0.3097, 0.3333, 0.3530
CMYK	0.00, 0.03, 0.06, 0.31
HSL	27°, 7%, 67%
HSV	27°, 6%, 69%
XYZ	39.0727, 40.6962, 41.3868
YIQ	171.2240, 5.1810, -0.2830

Conversions

Conversions Part 2

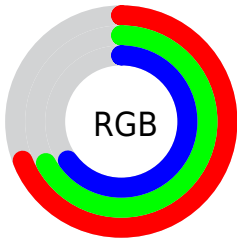
Format	Color
RYB	176, 174, 165
Decimal	11578021
CIELab	69.96, 1.25, 3.34
CIElCh	70, 3.561, 69.482
Yxy	40.6962, 0.3225, 0.3359
Android (android.graphics.Color)	4289768101 (0xFFB0AAA5)
YUV	171.2240, -3.0684, 4.1886
Hunter-Lab	63.7936, -2.3099, 6.1905

Details

The Yxy color **40.6962, 0.3225, 0.3359** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.2614, 0.3033, 0.3220**, and the grayscale version is **40.8585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1735, 0.3209, 0.3343**, and **18.4342, 0.3264, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **36.6304, 0.3400, 0.3475**, and if you desaturate by 10%, it is **45.1168, 0.3073, 0.3250**.

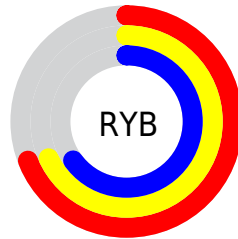
Distribution



Red (69%)

Green (67%)

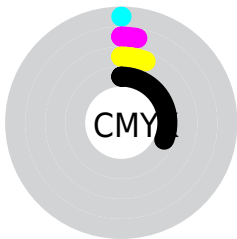
Blue (65%)



Red (69%)

Yellow (68%)

Blue (65%)

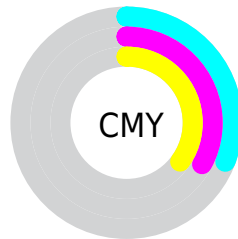


Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (31%)



Cyan (31%)


Magenta (33%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6962, 0.3225, 0.3359 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 40.6962, 0.3225, 0.3359 by changing the saturation by 10% instead.

 40.6962, 0.3225,
0.3359


 40.6962, 0.3225,
0.3359


349.0493, 0.3175,
0.3324

 28.0818, 0.3238,
0.3368

 76.2225, 0.3206,
0.3346

 18.3873, 0.3255,
0.3380


 99.9032, 0.3200,
0.3341

 11.2284, 0.3278,
0.3395


128.0414, 0.3194,
0.3337

 6.2207, 0.3311,
0.3418

161.0215, 0.3189,
0.3334

 2.9797, 0.3362,
0.3453

199.2280, 0.3185,
0.3331

 1.1212, 0.3453,
0.3514

243.0452, 0.3181,

 0.0000, 1.0000,

0.3328

0.0000

292.8575, 0.3178,
0.3326

0.0000, 0.0000,
0.0000

40.6962, 0.3225,
0.3359

40.6962, 0.3225,
0.3359

36.6304, 0.3400,
0.3475

45.1168, 0.3073,
0.3250

32.9050, 0.3601,
0.3595

49.8956, 0.2941,
0.3149

29.5121, 0.3829,
0.3718

55.0430, 0.2827,
0.3056

26.4416, 0.4083,
0.3836

60.5670, 0.2728,
0.2971

23.6828, 0.4361,
0.3941

66.4755, 0.2643,
0.2893

■ 21.2244, 0.4652,
0.4023

■ 71.7304, 0.2645,
0.2983

■ 19.0540, 0.4943,
0.4069

■ 77.1502, 0.2658,
0.3093

■ 17.1581, 0.5216,
0.4067

■ 82.8680, 0.2671,
0.3200

■ 15.5208, 0.5451,
0.4013

■ 87.9722, 0.2681,
0.3289

Harmonies

Analogous

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



40.6962, 0.3227, 0.3321



40.6962, 0.3225, 0.3359



40.6962, 0.3197, 0.3379

Triad

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



40.6962, 0.3225, 0.3359



40.6962, 0.3053, 0.3305



40.6962, 0.3104, 0.3207

Complementary

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



40.6962, 0.3225, 0.3359



40.2614, 0.3033, 0.3220

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.



40.6962, 0.3058, 0.3202



40.6962, 0.3225, 0.3359



40.6962, 0.3029, 0.3258

Square

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



40.6962, 0.3225, 0.3359



40.6962, 0.3097, 0.3348



40.6962, 0.3030, 0.3221



40.6962, 0.3157, 0.3233

Rectangle

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



40.6962, 0.3225, 0.3359



40.6962, 0.3167, 0.3380



40.6962, 0.3030, 0.3221



40.6962, 0.3087, 0.3202

Sweetspot

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



40.6980, 0.3225, 0.3359



77.1076, 0.3158, 0.3312



39.0805, 0.3177, 0.3207



16.7296, 0.3156, 0.3311



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.6980, 0.3225, 0.3359



72.3660, 0.3256, 0.3380



42.7904, 0.3219, 0.3433



9.1201, 0.3276, 0.3394



11.0934, 0.5517, 0.4001



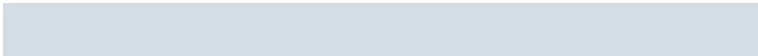
0.4661, 0.5057, 0.4367

Inverse Universe

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



40.2614, 0.3033, 0.3220



71.3505, 0.3004, 0.3198



38.2387, 0.3033, 0.3143



8.9728, 0.2985, 0.3184



8.5593, 0.1821, 0.1755



0.3841, 0.1952, 0.2226

Previews

White Background



This preview shows how the Yxy color 40.6962, 0.3225, 0.3359 looks on a white background.

Color Contrast Check

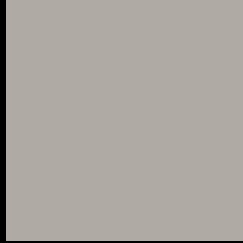
Large Text (above 18pt) WCAG AA × Fail

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 40.6962, 0.3225, 0.3359 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

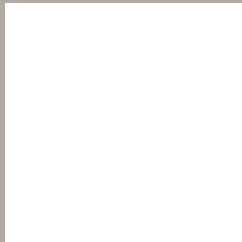
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6962, 0.3225, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 40.6962, 0.3225, 0.3359.



This preview shows how white text looks on a background with the Yxy color 40.6962, 0.3225, 0.3359.

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

40.6962, 0.3225, 0.3359

Protanopia

40.5800, 0.3215, 0.3359

Deuteranopia

40.4823, 0.3346, 0.3277



Tritanopia

40.8064, 0.3108, 0.3116

Trichromacy



Original Color

40.6962, 0.3225, 0.3359

Protanomaly

40.5800, 0.3215, 0.3359

Deuteranomaly

40.5810, 0.3295, 0.3304

Tritanomaly

40.8182, 0.3149, 0.3209

Monochromacy



Original Color

40.6962, 0.3225, 0.3359

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.8746, 0.3162, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6962, 0.3225, 0.3359 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(176, 170, 165)` looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 165)  
}
```

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(176, 170, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 165) }
```

Border

The CSS property to change the border of an element to Yxy 40.6962, 0.3225, 0.3359 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(176, 170, 165) }
```

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

```
.border{ border-color:rgb(176, 170, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 170, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 170, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 170, 165);  
box-shadow:4px 4px 4px 4px rgb(176, 170,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6962, 0.3225, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 170, 165) }
```

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

```
.background{ background-color: rgb(176,  
170, 165) }
```

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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