

Converting Colors

$Y_{xy}(42.1020, 0.3202, 0.3383)$

Have a look what the booklet for
Yxy(42.1020, 0.3202, 0.3383)
contains.

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Color

Yxy(42.2922, 0.3203, 0.3386)

Conversions

Conversions Part 1

Format	Color
Hex	B0AEA7
RGB	176, 174, 167
RGB Percent	69%, 68%, 65%
CMY	0.3100, 0.3176, 0.3452
CMYK	0.00, 0.01, 0.05, 0.31
HSL	47°, 5%, 67%
HSV	47°, 5%, 69%
XYZ	40.0065, 42.2922, 42.6045
YIQ	173.8000, 3.4390, -1.7530

Conversions

Conversions Part 2

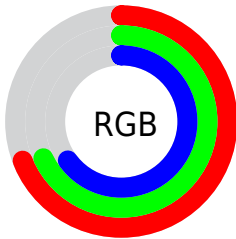
Format	Color
RYB	170, 176, 167
Decimal	11579047
CIELab	71.07, -0.60, 3.84
CIELCh	71, 3.886, 98.812
Yxy	42.2922, 0.3203, 0.3386
Android (android.graphics.Color)	4289769127 (0xFFB0AEA7)
YUV	173.8000, -3.3524, 1.9294
Hunter-Lab	65.0325, -3.9977, 6.6803

Details

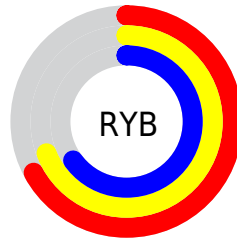
The Yxy color **42.2922, 0.3203, 0.3386** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.6915, 0.3051, 0.3192**, and the grayscale version is **42.2330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4684, 0.3193, 0.3364**, and **19.4420, 0.3233, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **40.2411, 0.3361, 0.3581**, and if you desaturate by 10%, it is **44.4770, 0.3057, 0.3200**.

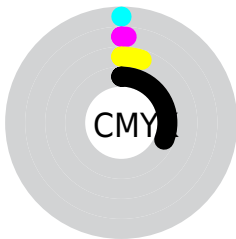
Distribution



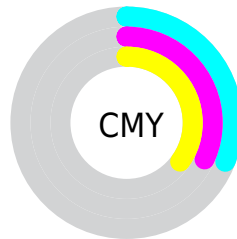
- Red (69%)
- Green (68%)
- Blue (65%)



- Red (67%)
- Yellow (69%)
- Blue (65%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (31%)





- Cyan (31%)
- Magenta (32%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2922, 0.3203, 0.3386 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 42.2922, 0.3203, 0.3386 by changing the saturation by 10% instead.

 42.2922, 0.3203,
0.3386

 42.2922, 0.3203,
0.3386


355.6928, 0.3165,
0.3337

 29.3302, 0.3213,
0.3398


 78.6417, 0.3189,
0.3368

 19.3307, 0.3226,
0.3415


 102.7979, 0.3184,
0.3361

 11.9095, 0.3243,
0.3437


131.4543, 0.3179,
0.3356

 6.6821, 0.3267,
0.3468

164.9953, 0.3175,
0.3351

 3.2641, 0.3305,
0.3516

203.8052, 0.3172,
0.3347

 1.2711, 0.3370,
0.3600

248.2685, 0.3169,

 0.1187, 0.4530,

0.3343

0.5470

298.7696, 0.3167,
0.3340

0.0000, 0.0000,
0.0000

42.2922, 0.3203,
0.3386

42.2922, 0.3203,
0.3386

40.2411, 0.3361,
0.3581

44.4770, 0.3057,
0.3200

38.3142, 0.3529,
0.3781

46.7936, 0.2924,
0.3026

36.5092, 0.3704,
0.3981

49.2474, 0.2804,
0.2864

34.8219, 0.3883,
0.4173

51.8417, 0.2695,
0.2714

33.2472, 0.4059,
0.4348

54.5798, 0.2597,
0.2577

■ 31.7801, 0.4225,
0.4497

■ 56.2818, 0.2602,
0.2622

■ 30.4147, 0.4373,
0.4610

■ 58.0246, 0.2608,
0.2667

■ 29.1443, 0.4496,
0.4679

■ 59.8111, 0.2613,
0.2712

■ 27.9607, 0.4591,
0.4702

■ 61.6416, 0.2618,
0.2757

Harmonies

Analogous

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



42.2922, 0.3233, 0.3364



42.2922, 0.3203, 0.3386



42.2922, 0.3153, 0.3383

Triad

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



42.2922, 0.3203, 0.3386



42.2922, 0.3021, 0.3257



42.2922, 0.3158, 0.3228

Complementary

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



42.2922, 0.3203, 0.3386



39.6915, 0.3051, 0.3192

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.



42.2922, 0.3101, 0.3200



42.2922, 0.3203, 0.3386



42.2922, 0.3023, 0.3216

Square

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



42.2922, 0.3203, 0.3386



42.2922, 0.3048, 0.3308



42.2922, 0.3052, 0.3195



42.2922, 0.3207, 0.3272

Rectangle

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



42.2922, 0.3203, 0.3386



42.2922, 0.3115, 0.3366



42.2922, 0.3052, 0.3195



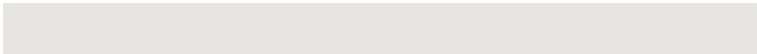
42.2922, 0.3139, 0.3216

Sweetspot

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



42.2940, 0.3203, 0.3386



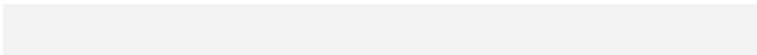
77.9396, 0.3157, 0.3328



39.7175, 0.3193, 0.3264



16.9002, 0.3155, 0.3326



89.0005, 0.3127, 0.3290



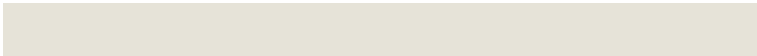
17.0645, 0.3127, 0.3290

Same Dimension

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



42.2940, 0.3203, 0.3386



76.3658, 0.3218, 0.3405



42.7538, 0.3178, 0.3413



9.7243, 0.3225, 0.3413



20.2056, 0.4626, 0.4709



0.7134, 0.4484, 0.4821

Inverse Universe

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



39.6915, 0.3051, 0.3192



70.7495, 0.3036, 0.3172



39.2567, 0.3074, 0.3166



8.9597, 0.3029, 0.3164



3.3875, 0.1568, 0.0844



0.1918, 0.1713, 0.1365

Previews

White Background



This preview shows how the Yxy color 42.2922, 0.3203, 0.3386 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 42.2922, 0.3203, 0.3386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

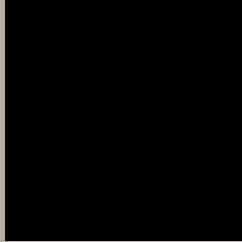
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

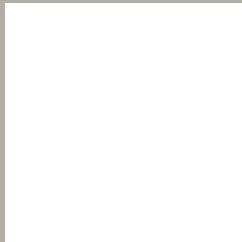
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2922, 0.3203, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 42.2922, 0.3203, 0.3386.

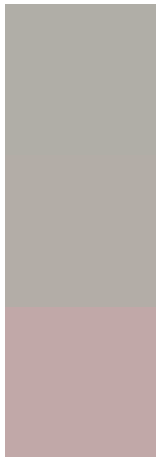


This preview shows how white text looks on a background with the Yxy color 42.2922, 0.3203, 0.3386.

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

42.2922, 0.3203, 0.3386

Protanopia

42.2609, 0.3232, 0.3371

Deuteranopia

42.1699, 0.3360, 0.3291



Tritanopia

42.2123, 0.3083, 0.3105

Trichromacy



Original Color

42.2922, 0.3203, 0.3386

Protanomaly

42.1421, 0.3223, 0.3372

Deuteranomaly

42.1414, 0.3301, 0.3317

Tritanomaly

42.1844, 0.3131, 0.3210

Monochromacy



Original Color

42.2922, 0.3203, 0.3386

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3263, 0.3161, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2922, 0.3203, 0.3386 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, 174, 167)` looks like.

```
.text, #text, p{  
    color:rgb(176, 174, 167)  
}
```

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, 174, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 167) }
```

Border

The CSS property to change the border of an element to Yxy 42.2922, 0.3203, 0.3386 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, 174, 167) }
```

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

```
.border{ border-color:rgb(176, 174, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 174, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 167);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2922, 0.3203, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 174, 167) }
```

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

```
.background{ background-color: rgb(176,  
174, 167) }
```

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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