

Converting Colors

$Y_{xy}(41.8193, 0.3092, 0.3377)$

Have a look what the booklet for
Yxy(41.8193, 0.3092, 0.3377)
contains.

Yxy(42.0222, 0.3096, 0.3387)	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(42.0222, 0.3096, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	A6B0A9
RGB	166, 176, 169
RGB Percent	65%, 69%, 66%
CMY	0.3491, 0.3098, 0.3372
CMYK	0.06, 0.00, 0.04, 0.31
HSL	138°, 6%, 67%
HSV	138°, 6%, 69%
XYZ	38.4118, 42.0222, 43.6351
YIQ	172.2120, -3.7130, -4.2970

Conversions

Conversions Part 2

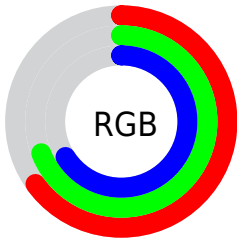
Format	Color
RYB	166, 174, 176
Decimal	10924201
CIELab	70.89, -4.84, 2.35
CIElCh	71, 5.382, 154.106
Yxy	42.0222, 0.3096, 0.3387
Android (android.graphics.Color)	4289114281 (0xFFA6B0A9)
YUV	172.2120, -1.5835, -5.4479
Hunter-Lab	64.8245, -7.6727, 5.4675

Details

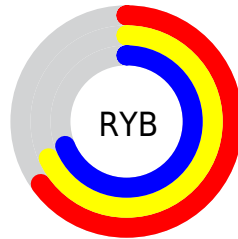
The Yxy color $42.0222, 0.3096, 0.3387$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $39.5131, 0.3160, 0.3195$, and the grayscale version is $41.3777, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.4672, 0.3103, 0.3375$, and $19.2771, 0.3085, 0.3426$ is the 20% darker color. If you saturate the color by 10%, you get $39.8113, 0.3041, 0.3574$, and if you desaturate by 10%, it is $44.5401, 0.3151, 0.3221$.

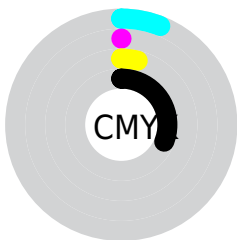
Distribution



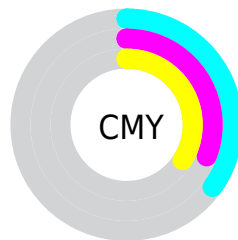
- Red (65%)
- Green (69%)
- Blue (66%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (31%)



- Cyan (35%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0222, 0.3096, 0.3387 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 42.0222, 0.3096, 0.3387 by changing the saturation by 10% instead.

■ 42.0222, 0.3096,
0.3387

■ 42.0222, 0.3096,
0.3387

■ 354.5750, 0.3112,
0.3337

■ 29.1187, 0.3092,
0.3400

■ 78.2332, 0.3102,
0.3369

■ 19.1706, 0.3086,
0.3416

■ 102.3095, 0.3104,
0.3362

■ 11.7936, 0.3079,
0.3439

■ 130.8788, 0.3106,
0.3356

■ 6.6033, 0.3068,
0.3472

■ 164.3256, 0.3108,
0.3351

■ 3.2153, 0.3052,
0.3523

■ 203.0342, 0.3109,
0.3347

■ 1.2451, 0.3021,
0.3613

■ 247.3890, 0.3110,

■ 0.0981, 0.0000,

0.3343

1.0000

297.7745, 0.3111,
0.3340

0.0000, 0.0000,
0.0000

42.0222, 0.3096,
0.3387

42.0222, 0.3096,
0.3387

39.8113, 0.3041,
0.3574

44.5401, 0.3151,
0.3221

37.8905, 0.2988,
0.3784

47.3708, 0.3204,
0.3075

36.2489, 0.2939,
0.4014

50.5265, 0.3255,
0.2948

34.8733, 0.2896,
0.4262

54.0171, 0.3304,
0.2837

33.7493, 0.2863,
0.4523

57.8523, 0.3350,
0.2740

■ 32.8608, 0.2842,
0.4789

■ 58.7583, 0.3259,
0.2628

■ 32.1901, 0.2836,
0.5048

■ 59.5221, 0.3165,
0.2519

■ 31.7167, 0.2846,
0.5289

■ 59.5332, 0.3163,
0.2517

■ 31.4149, 0.2872,
0.5500

Harmonies

Analogous

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



42.0222, 0.3175, 0.3422



42.0222, 0.3096, 0.3387



42.0222, 0.3026, 0.3325

Triad

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



42.0222, 0.3096, 0.3387



42.0222, 0.3014, 0.3161



42.0222, 0.3273, 0.3323

Complementary

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



42.0222, 0.3096, 0.3387



39.5131, 0.3160, 0.3195

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.



42.0222, 0.3229, 0.3255



42.0222, 0.3096, 0.3387



42.0222, 0.3079, 0.3162

Square

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



42.0222, 0.3096, 0.3387



42.0222, 0.2979, 0.3194



42.0222, 0.3157, 0.3196



42.0222, 0.3277, 0.3384

Rectangle

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



42.0222, 0.3096, 0.3387



42.0222, 0.2994, 0.3278



42.0222, 0.3157, 0.3196



42.0222, 0.3262, 0.3300

Sweetspot

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



42.0240, 0.3096, 0.3387



77.8165, 0.3116, 0.3324



42.6900, 0.3183, 0.3428



16.8749, 0.3117, 0.3322



89.0005, 0.3127, 0.3290



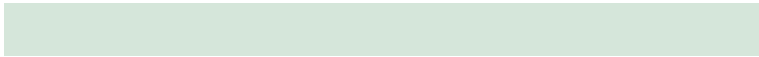
17.0645, 0.3127, 0.3290

Same Dimension

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



42.0240, 0.3096, 0.3387



75.6053, 0.3088, 0.3412



42.2145, 0.3056, 0.3318



9.6297, 0.3086, 0.3419



22.9833, 0.2879, 0.5563



0.7338, 0.2713, 0.4967

Inverse Universe

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



39.5131, 0.3160, 0.3195



69.9637, 0.3168, 0.3171



39.3240, 0.3203, 0.3263



8.8769, 0.3171, 0.3165



7.8244, 0.4143, 0.2056



0.2560, 0.3826, 0.1882

Previews

White Background



This preview shows how the Yxy color 42.0222, 0.3096, 0.3387 looks on a white background.

Color Contrast Check

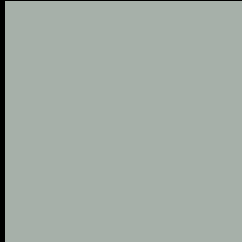
Large Text (above 18pt) WCAG AA × Fail

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 42.0222, 0.3096, 0.3387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

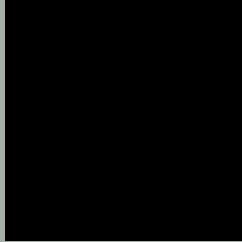
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

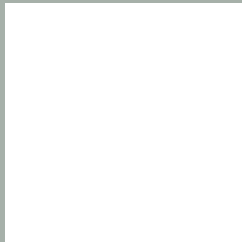
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0222, 0.3096, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 42.0222, 0.3096, 0.3387.



This preview shows how white text looks on a background with the Yxy color 42.0222, 0.3096, 0.3387.

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

42.0222, 0.3096, 0.3387

Protanopia

42.1421, 0.3223, 0.3372

Deuteranopia

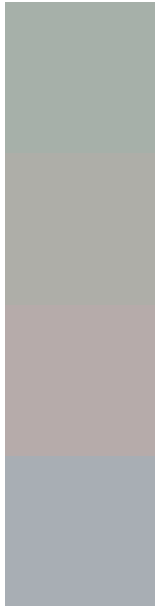
42.0219, 0.3315, 0.3251



Tritanopia

41.9100, 0.2980, 0.3101

Trichromacy



Original Color

42.0222, 0.3096, 0.3387

Protanomaly

42.0979, 0.3177, 0.3372

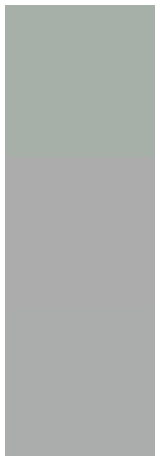
Deuteranomaly

41.9732, 0.3236, 0.3304

Tritanomaly

41.8922, 0.3026, 0.3208

Monochromacy



Original Color

42.0222, 0.3096, 0.3387

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.3735, 0.3117, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0222, 0.3096, 0.3387 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(166, 176, 169)` looks like.

```
.text, #text, p{  
    color:rgb(166, 176, 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(166, 176, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 176, 169) }
```

Border

The CSS property to change the border of an element to Yxy 42.0222, 0.3096, 0.3387 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(166, 176, 169) }
```

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

```
.border{ border-color:rgb(166, 176, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 176, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 176, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 176, 169);  
box-shadow:4px 4px 4px 4px rgb(166, 176,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0222, 0.3096, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 176, 169) }
```

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

```
.background{ background-color: rgb(166,  
176, 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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