

Converting Colors

$Yxy(42.8416, 0.3251, 0.3453)$

Have a look what the booklet for
Yxy(42.8416, 0.3251, 0.3453)
contains.

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Color

Yxy(42.7693, 0.3254, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	B2AFA3
RGB	178, 175, 163
RGB Percent	70%, 69%, 64%
CMY	0.3019, 0.3137, 0.3607
CMYK	0.00, 0.02, 0.08, 0.30
HSL	48°, 9%, 67%
HSV	48°, 8%, 70%
XYZ	40.3045, 42.7693, 40.7875
YIQ	174.5290, 5.6400, -3.0960

Conversions

Conversions Part 2

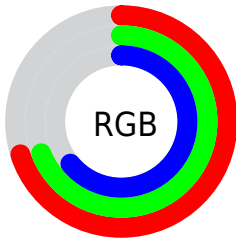
Format	Color
RYB	167, 178, 163
Decimal	11710371
CIELab	71.40, -1.07, 6.51
CIELCh	71, 6.601, 99.358
Yxy	42.7693, 0.3254, 0.3453
Android (android.graphics.Color)	4289900451 (0xFFB2AFA3)
YUV	174.5290, -5.6838, 3.0441
Hunter-Lab	65.3982, -4.4387, 8.8008

Details

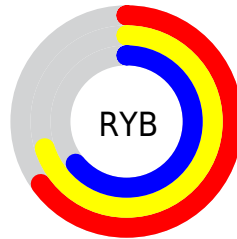
The Yxy color **42.7693, 0.3254, 0.3453** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.2870, 0.2999, 0.3122**, and the grayscale version is **42.6438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1480, 0.3232, 0.3416**, and **19.6736, 0.3290, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **40.8019, 0.3415, 0.3654**, and if you desaturate by 10%, it is **44.8673, 0.3104, 0.3260**.

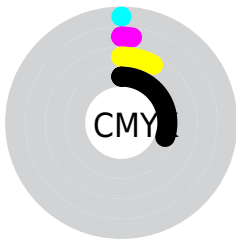
Distribution



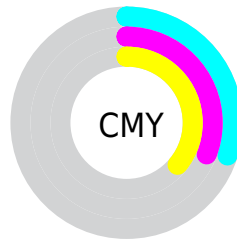
- Red (70%)
- Green (69%)
- Blue (64%)



- Red (65%)
- Yellow (70%)
- Blue (64%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (30%)





- Cyan (30%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7693, 0.3254, 0.3453 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 42.7693, 0.3254, 0.3453 by changing the saturation by 10% instead.


 42.7693, 0.3254,
0.3453

 42.7693, 0.3254,
0.3453


357.6622, 0.3190,
0.3370

 29.7041, 0.3270,
0.3474


 79.3626, 0.3230,
0.3423

 19.6141, 0.3291,
0.3502


 103.6596, 0.3222,
0.3411

 12.1149, 0.3320,
0.3539


132.4692, 0.3214,
0.3402

 6.8220, 0.3360,
0.3592

166.1760, 0.3208,
0.3394

 3.3510, 0.3422,
0.3673

205.1643, 0.3202,
0.3386

 1.3176, 0.3527,
0.3814

249.8185, 0.3198,

 0.1548, 0.4386,

0.3380

0.5614

300.5230, 0.3193,
0.3375

0.0000, 0.0000,
0.0000

42.7693, 0.3254,
0.3453

42.7693, 0.3254,
0.3453

40.8019, 0.3415,
0.3654

44.8673, 0.3104,
0.3260

38.9553, 0.3584,
0.3858

47.0940, 0.2967,
0.3078

37.2273, 0.3759,
0.4059

49.4548, 0.2842,
0.2909

35.6132, 0.3935,
0.4249

51.9533, 0.2729,
0.2752

34.1080, 0.4104,
0.4420

54.5927, 0.2627,
0.2608

■ 32.7061, 0.4260,
0.4559

■ 56.3843, 0.2615,
0.2620

■ 31.4015, 0.4395,
0.4660

■ 58.0241, 0.2620,
0.2663

■ 30.1870, 0.4504,
0.4716

■ 59.7028, 0.2624,
0.2705

■ 29.0503, 0.4586,
0.4730

■ 61.4205, 0.2629,
0.2747

Harmonies

Analogous

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



42.7693, 0.3306, 0.3415



42.7693, 0.3254, 0.3453



42.7693, 0.3168, 0.3447

Triad

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



42.7693, 0.3254, 0.3453



42.7693, 0.2948, 0.3232



42.7693, 0.3180, 0.3187

Complementary

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



42.7693, 0.3254, 0.3453



38.2870, 0.2999, 0.3122

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.



42.7693, 0.3084, 0.3139



42.7693, 0.3254, 0.3453



42.7693, 0.2951, 0.3163

Square

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



42.7693, 0.3254, 0.3453



42.7693, 0.2992, 0.3318



42.7693, 0.3001, 0.3130



42.7693, 0.3263, 0.3261

Rectangle

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



42.7693, 0.3254, 0.3453



42.7693, 0.3104, 0.3418



42.7693, 0.3001, 0.3130



42.7693, 0.3148, 0.3167

Sweetspot

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



42.7712, 0.3254, 0.3453



79.5612, 0.3172, 0.3348



38.4293, 0.3241, 0.3246



17.5593, 0.3184, 0.3364



91.1408, 0.3127, 0.3290



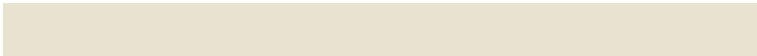
17.8868, 0.3127, 0.3290

Same Dimension

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



42.7712, 0.3254, 0.3453



76.9077, 0.3281, 0.3488



43.4638, 0.3212, 0.3495



9.6105, 0.3268, 0.3471



20.7472, 0.4593, 0.4735



0.7266, 0.4462, 0.4839

Inverse Universe

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



38.2870, 0.2999, 0.3122



67.2084, 0.2971, 0.3084



37.6589, 0.3038, 0.3081



8.4978, 0.2985, 0.3103



3.2681, 0.1561, 0.0818



0.1837, 0.1700, 0.1320

Previews

White Background



This preview shows how the Yxy color 42.7693, 0.3254, 0.3453 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 42.7693, 0.3254, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

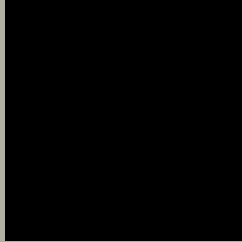
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

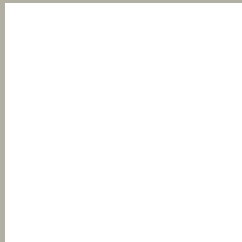
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7693, 0.3254, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 42.7693, 0.3254, 0.3453.



This preview shows how white text looks on a background with the Yxy color 42.7693, 0.3254, 0.3453.

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

42.7693, 0.3254, 0.3453

Protanopia

42.7402, 0.3283, 0.3439

Deuteranopia

42.7920, 0.3423, 0.3356



Tritanopia

42.8316, 0.3100, 0.3119

Trichromacy



Original Color

42.7693, 0.3254, 0.3453

Protanomaly

42.6197, 0.3274, 0.3439

Deuteranomaly

42.6250, 0.3353, 0.3383

Tritanomaly

42.7648, 0.3156, 0.3237

Monochromacy



Original Color

42.7693, 0.3254, 0.3453

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.8303, 0.3169, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7693, 0.3254, 0.3453 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(178, 175, 163)` looks like.

```
.text, #text, p{  
    color:rgb(178, 175, 163)  
}
```

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(178, 175, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 175, 163) }
```

Border

The CSS property to change the border of an element to Yxy 42.7693, 0.3254, 0.3453 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(178, 175, 163) }
```

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

```
.border{ border-color:rgb(178, 175, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 175, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 175, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 175, 163);  
box-shadow:4px 4px 4px 4px rgb(178, 175,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7693, 0.3254, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 175, 163) }
```

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

```
.background{ background-color: rgb(178,  
175, 163) }
```

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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