

Converting Colors

$Y_{xy}(40.2954, 0.3251, 0.3525)$

Have a look what the booklet for
Yxy(40.2954, 0.3251, 0.3525)
contains.

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Color

Yxy(40.4177, 0.3253, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	AAAC9B
RGB	170, 172, 155
RGB Percent	67%, 67%, 61%
CMY	0.3333, 0.3255, 0.3923
CMYK	0.01, 0.00, 0.10, 0.33
HSL	67°, 9%, 64%
HSV	67°, 10%, 67%
XYZ	37.2461, 40.4177, 36.8339
YIQ	169.4640, 4.2650, -5.7110

Conversions

Conversions Part 2

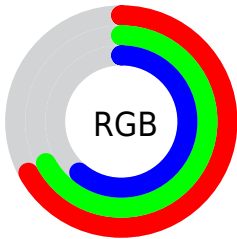
Format	Color
RYB	155, 172, 157
Decimal	11185307
CIELab	69.77, -3.79, 8.52
CIElCh	70, 9.322, 113.995
Yxy	40.4177, 0.3253, 0.3530
Android (android.graphics.Color)	4289375387 (0xFFAAAC9B)
YUV	169.4640, -7.1308, 0.4701
Hunter-Lab	63.5749, -6.6798, 10.1511

Details

The Yxy color $40.4177, 0.3253, 0.3530$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $33.5747, 0.2994, 0.3041$, and the grayscale version is $39.9531, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5492, 0.3230, 0.3485$, and $18.2840, 0.3290, 0.3605$ is the 20% darker color. If you saturate the color by 10%, you get $39.6598, 0.3382, 0.3782$, and if you desaturate by 10%, it is $41.2649, 0.3126, 0.3288$.

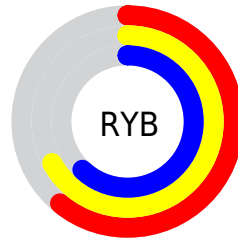
Distribution



Red (67%)

Green (67%)

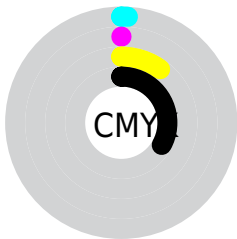
Blue (61%)



Red (61%)

Yellow (67%)

Blue (62%)

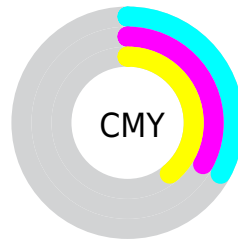


Cyan (1%)

Magenta (0%)

Yellow (10%)

Black (33%)



Cyan (33%)


Magenta (33%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4177, 0.3253, 0.3530 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 40.4177, 0.3253, 0.3530 by changing the saturation by 10% instead.

 40.4177, 0.3253,
0.3530


 40.4177, 0.3253,
0.3530


347.8810, 0.3189,
0.3406

 27.8644, 0.3269,
0.3562


 75.7992, 0.3230,
0.3484

 18.2234, 0.3290,
0.3605


 99.3961, 0.3221,
0.3467

 11.1105, 0.3319,
0.3662


127.4430, 0.3213,
0.3453

 6.1412, 0.3359,
0.3746

160.3242, 0.3207,
0.3441

 2.9311, 0.3420,
0.3877

198.4243, 0.3202,
0.3430

 1.0959, 0.3587,
0.4189

242.1275, 0.3197,

 0.0000, 0.0000,

0.3421

0.0000

291.8183, 0.3193,
0.3413

■ 40.4177, 0.3253,
0.3530

■ 40.4177, 0.3253,
0.3530

■ 39.6598, 0.3382,
0.3782

■ 41.2649, 0.3126,
0.3288

■ 38.9824, 0.3511,
0.4037

■ 42.1993, 0.3004,
0.3059

■ 38.3836, 0.3633,
0.4287

■ 43.2258, 0.2889,
0.2846

■ 37.8593, 0.3744,
0.4524

■ 44.3474, 0.2781,
0.2650

■ 37.4051, 0.3839,
0.4737

■ 45.5669, 0.2682,
0.2471

■ 37.0162, 0.3913,
0.4917

■ 46.6810, 0.2610,
0.2338

■ 36.6870, 0.3962,
0.5056

■ 46.9278, 0.2624,
0.2342

■ 36.4110, 0.3986,
0.5152

■ 47.1780, 0.2638,
0.2345

■ 36.1741, 0.3990,
0.5213

■ 47.4318, 0.2653,
0.2349

Harmonies

Analogous

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



40.4177, 0.3356, 0.3503



40.4177, 0.3253, 0.3530



40.4177, 0.3118, 0.3490

Triad

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



40.4177, 0.3253, 0.3530



40.4177, 0.2864, 0.3152



40.4177, 0.3266, 0.3191

Complementary

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



40.4177, 0.3253, 0.3530



33.5747, 0.2994, 0.3041

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.



40.4177, 0.3132, 0.3101



40.4177, 0.3253, 0.3530



40.4177, 0.2902, 0.3077

Square

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



40.4177, 0.3253, 0.3530



40.4177, 0.2895, 0.3267



40.4177, 0.2999, 0.3060



40.4177, 0.3364, 0.3306

Rectangle

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



40.4177, 0.3253, 0.3530



40.4177, 0.3028, 0.3429



40.4177, 0.2999, 0.3060



40.4177, 0.3224, 0.3157

Sweetspot

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



40.4195, 0.3253, 0.3530



74.3567, 0.3166, 0.3363



35.2354, 0.3295, 0.3319



16.1326, 0.3176, 0.3382



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



40.4195, 0.3253, 0.3530



72.9912, 0.3283, 0.3588



39.5010, 0.3175, 0.3536



9.2820, 0.3245, 0.3515



26.9319, 0.3992, 0.5212



0.7623, 0.4057, 0.5161

Inverse Universe

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



33.5747, 0.2994, 0.3041



57.9157, 0.2961, 0.2979



34.4609, 0.3075, 0.3047



7.8004, 0.3003, 0.3057



2.3412, 0.1550, 0.0627



0.0790, 0.1738, 0.0731

Previews

White Background



This preview shows how the Yxy color 40.4177, 0.3253, 0.3530 looks on a white background.

Color Contrast Check

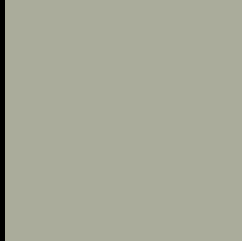
Large Text (above 18pt) WCAG AA × Fail

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 40.4177, 0.3253, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

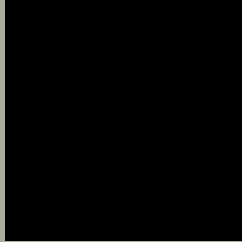
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

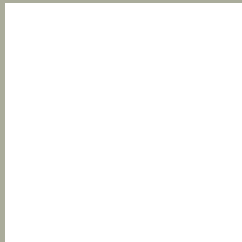
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4177, 0.3253, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 40.4177, 0.3253, 0.3530.



This preview shows how white text looks on a background with the Yxy color 40.4177, 0.3253, 0.3530.

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

40.4177, 0.3253, 0.3530

Protanopia

40.4297, 0.3330, 0.3512

Deuteranopia

40.1577, 0.3470, 0.3397



Tritanopia

40.3401, 0.3072, 0.3114

Trichromacy



Original Color

40.4177, 0.3253, 0.3530

Protanomaly

40.4576, 0.3300, 0.3527

Deuteranomaly

40.2281, 0.3385, 0.3440

Tritanomaly

40.2387, 0.3138, 0.3249

Monochromacy



Original Color

40.4177, 0.3253, 0.3530

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.8648, 0.3169, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4177, 0.3253, 0.3530 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(170, 172, 155)` looks like.

```
.text, #text, p{  
    color:rgb(170, 172, 155)  
}
```

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(170, 172, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 172, 155) }
```

Border

The CSS property to change the border of an element to Yxy 40.4177, 0.3253, 0.3530 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(170, 172, 155) }
```

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

```
.border{ border-color:rgb(170, 172, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 172, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 172, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 172, 155);  
box-shadow:4px 4px 4px 4px rgb(170, 172,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4177, 0.3253, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 172, 155) }
```

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

```
.background{ background-color: rgb(170,  
172, 155) }
```

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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