

Converting Colors

$Y_{xy}(40.7494, 0.3120, 0.3134)$

Have a look what the booklet for
Yxy(40.7494, 0.3120, 0.3134)
contains.

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Color

Yxy(40.7655, 0.3117, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	B2A8B4
RGB	178, 168, 180
RGB Percent	70%, 66%, 71%
CMY	0.3018, 0.3412, 0.2941
CMYK	0.01, 0.07, 0.00, 0.29
HSL	290°, 7%, 68%
HSV	290°, 7%, 71%
XYZ	40.6092, 40.7655, 48.9082
YIQ	172.3580, 2.1080, 5.8520

Conversions

Conversions Part 2

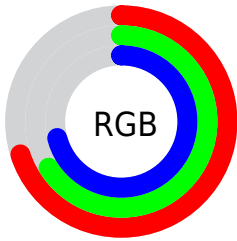
Format	Color
RYB	178, 168, 180
Decimal	11708596
CIELab	70.01, 5.85, -4.87
CIElCh	70, 7.613, 320.196
Yxy	40.7655, 0.3117, 0.3129
Android (android.graphics.Color)	4289898676 (0xFFB2A8B4)
YUV	172.3580, 3.7675, 4.9480
Hunter-Lab	63.8479, 1.7976, -0.7233

Details

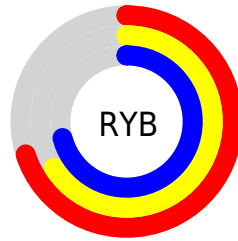
The Yxy color $40.7655, 0.3117, 0.3129$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $44.0091, 0.3136, 0.3455$, and the grayscale version is $41.4292, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.3239, 0.3120, 0.3155$, and $18.3831, 0.3111, 0.3086$ is the 20% darker color. If you saturate the color by 10%, you get $34.2328, 0.3099, 0.2878$, and if you desaturate by 10%, it is $48.2290, 0.3132, 0.3368$.

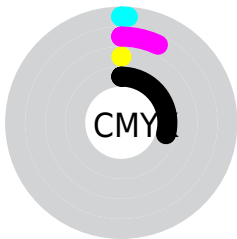
Distribution



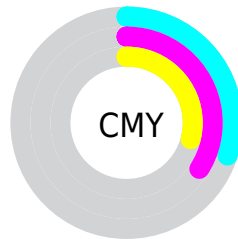
- Red (70%)
- Green (66%)
- Blue (71%)



- Red (70%)
- Yellow (66%)
- Blue (71%)



- Cyan (1%)
- Magenta (7%)
- Yellow (0%)
- Black (29%)





- Cyan (30%)
- Magenta (34%)
- Yellow (29%)
- Black (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7655, 0.3117, 0.3129 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 40.7655, 0.3117, 0.3129 by changing the saturation by 10% instead.

 40.7655, 0.3117,
0.3129


 40.7655, 0.3117,
0.3129

349.3396, 0.3123,
0.3211

 28.1359, 0.3115,
0.3108


 76.3278, 0.3119,
0.3159

 18.4281, 0.3113,
0.3082


 100.0293, 0.3120,
0.3170

 11.2578, 0.3110,
0.3046


128.1901, 0.3121,
0.3179

 6.2405, 0.3106,
0.2995

161.1948, 0.3121,
0.3187

 2.9919, 0.3098,
0.2917

199.4277, 0.3122,
0.3194

 1.1275, 0.3083,
0.2785

243.2732, 0.3122,


 0.0013, 0.2954,


0.3200


0.0026


293.1157, 0.3122,
0.3206


 0.0000, 0.0000,
0.0000


 40.7655, 0.3117,
0.3129


 40.7655, 0.3117,
0.3129


 34.2328, 0.3099,
0.2878


 48.2290, 0.3132,
0.3368


 28.5881, 0.3076,
0.2621

 56.6535, 0.3143,
0.3592


 23.7930, 0.3049,
0.2365

 66.0744, 0.3151,
0.3799

 19.8041, 0.3017,
0.2117

 76.5236, 0.3157,
0.3989

 16.5742, 0.2981,
0.1889

 86.1096, 0.3163,
0.4133

■ 14.0514, 0.2942,
0.1691

■ 86.4969, 0.3181,
0.4128

■ 12.1769, 0.2901,
0.1530

■ 86.8918, 0.3200,
0.4124

■ 10.8826, 0.2859,
0.1413

■ 87.2944, 0.3218,
0.4119

■ 10.0748, 0.2816,
0.1338

■ 87.7048, 0.3237,
0.4114

Harmonies

Analogous

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



40.7655, 0.3011, 0.3101



40.7655, 0.3117, 0.3129



40.7655, 0.3228, 0.3198

Triad

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



40.7655, 0.3117, 0.3129



40.7655, 0.3321, 0.3457



40.7655, 0.2945, 0.3285

Complementary

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



40.7655, 0.3117, 0.3129



44.0091, 0.3136, 0.3455

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.



40.7655, 0.3026, 0.3385



40.7655, 0.3117, 0.3129



40.7655, 0.3243, 0.3485

Square

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



40.7655, 0.3117, 0.3129



40.7655, 0.3347, 0.3386



40.7655, 0.3134, 0.3459



40.7655, 0.2913, 0.3188

Rectangle

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



40.7655, 0.3117, 0.3129



40.7655, 0.3289, 0.3259



40.7655, 0.3134, 0.3459



40.7655, 0.2967, 0.3319

Sweetspot

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



40.7673, 0.3117, 0.3129



79.9825, 0.3124, 0.3242



40.3649, 0.3027, 0.3152



17.3187, 0.3124, 0.3244



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.



40.7673, 0.3117, 0.3129



72.0815, 0.3115, 0.3093



40.8390, 0.3169, 0.3183



8.5755, 0.3113, 0.3064



6.9003, 0.2807, 0.1320



0.2357, 0.2926, 0.1386

Inverse Universe

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



40.6045, 0.3221, 0.3264



71.7281, 0.3244, 0.3258



43.9448, 0.3088, 0.3400



8.5270, 0.3262, 0.3253



6.8419, 0.6139, 0.3155



0.2222, 0.5471, 0.2787

Previews

White Background



This preview shows how the Yxy color 40.7655, 0.3117, 0.3129 looks on a white background.

Color Contrast Check

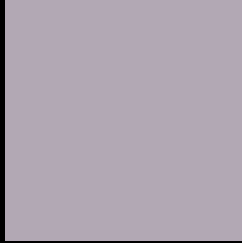
Large Text (above 18pt) WCAG AA × Fail

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 40.7655, 0.3117, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

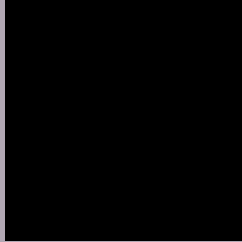
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

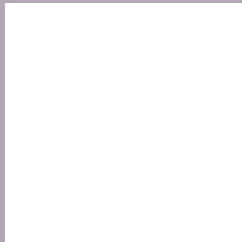
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7655, 0.3117, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 40.7655, 0.3117, 0.3129.



This preview shows how white text looks on a background with the Yxy color 40.7655, 0.3117, 0.3129.

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

40.7655, 0.3117, 0.3129

Protanopia

40.7436, 0.3045, 0.3140

Deuteranopia

40.6350, 0.3163, 0.3105



Tritanopia

40.8064, 0.3108, 0.3116

Trichromacy



Original Color

40.7655, 0.3117, 0.3129

Protanomaly

40.7108, 0.3072, 0.3128

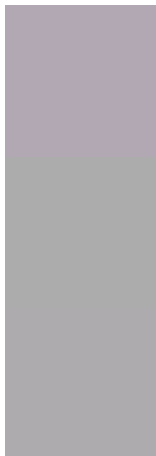
Deuteranomaly

40.7565, 0.3144, 0.3117

Tritanomaly

40.8064, 0.3108, 0.3116

Monochromacy



Original Color

40.7655, 0.3117, 0.3129

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.2196, 0.3121, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7655, 0.3117, 0.3129 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, 168, 180)` looks like.

```
.text, #text, p{  
    color:rgb(178, 168, 180)  
}
```

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, 168, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 168, 180) }
```

Border

The CSS property to change the border of an element to Yxy 40.7655, 0.3117, 0.3129 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, 168, 180) }
```

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

```
.border{ border-color:rgb(178, 168, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 168, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 168, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 168, 180);  
box-shadow:4px 4px 4px 4px rgb(178, 168,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7655, 0.3117, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 168, 180) }
```

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

```
.background{ background-color: rgb(178,  
168, 180) }
```

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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