

Converting Colors

$Y_{xy}(22.7472, 0.3154, 0.3602)$

Have a look what the booklet for
Yxy(22.7472, 0.3154, 0.3602)
contains.

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Color

$\text{Yxy}(22.7735, 0.3157, 0.3602)$

Conversions

Conversions Part 1

Format	Color
Hex	7A8776
RGB	122, 135, 118
RGB Percent	48%, 53%, 46%
CMY	0.5216, 0.4706, 0.5372
CMYK	0.10, 0.00, 0.13, 0.47
HSL	106°, 7%, 50%
HSV	106°, 13%, 53%
XYZ	19.9600, 22.7735, 20.4911
YIQ	129.1750, -2.2910, -8.0430

Conversions

Conversions Part 2

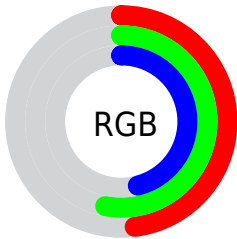
Format	Color
R_{YB}	118, 135, 131
Decimal	8030070
CIE Lab	54.84, -8.14, 7.52
CIE LCh	55, 11.084, 137.260
Yxy	22.7735, 0.3157, 0.3602
Android (android.graphics.Color)	4286220150 (0xFF7A8776)
YUV	129.1750, -5.5093, -6.2925
Hunter-Lab	47.7216, -8.8535, 7.9467

Details

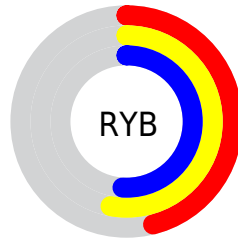
The Yxy color $22.7735, 0.3157, 0.3602$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $19.5410, 0.3092, 0.2988$, and the grayscale version is $22.0382, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.8674, 0.3149, 0.3531$, and $8.3557, 0.3158, 0.3715$ is the 20% darker color. If you saturate the color by 10%, you get $21.7604, 0.3178, 0.3880$, and if you desaturate by 10%, it is $23.9149, 0.3133, 0.3350$.

Distribution



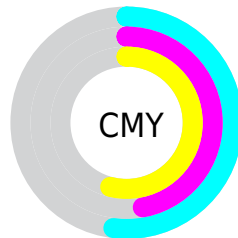
- Red (48%)
- Green (53%)
- Blue (46%)



- Red (46%)
- Yellow (53%)
- Blue (51%)



- Cyan (10%)
- Magenta (0%)
- Yellow (13%)
- Black (47%)



- Cyan (52%)
- Magenta (47%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7735, 0.3157, 0.3602 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 22.7735, 0.3157, 0.3602 by changing the saturation by 10% instead.

■ 22.7735, 0.3157,
0.3602

■ 22.7735, 0.3157,
0.3602

266.5595, 0.3142,
0.3425

■ 14.4264, 0.3161,
0.3655

■ 48.0211, 0.3151,
0.3531

■ 8.4178, 0.3165,
0.3731

■ 65.6904, 0.3149,
0.3507

■ 4.3634, 0.3171,
0.3846

■ 87.2359, 0.3148,
0.3487

■ 1.8789, 0.3177,
0.4040

113.0419, 0.3146,
0.3470

■ 0.5356, 0.3436,
0.5930

143.4929, 0.3145,
0.3456

■ 0.0000, 0.0000,
0.0000

178.9732, 0.3144,

0.3444

219.8673, 0.3143,
0.3434

■ 22.7735, 0.3157,
0.3602

■ 22.7735, 0.3157,
0.3602

■ 21.7604, 0.3178,
0.3880

■ 23.9149, 0.3133,
0.3350

■ 20.8684, 0.3196,
0.4181

■ 25.1860, 0.3109,
0.3126

■ 20.0935, 0.3209,
0.4499

■ 26.5917, 0.3084,
0.2927

■ 19.4309, 0.3213,
0.4821

■ 28.1360, 0.3061,
0.2751

■ 18.8751, 0.3208,
0.5133

■ 29.8224, 0.3038,
0.2598

■ 18.4202, 0.3192,
0.5416

■ 31.6546, 0.3016,
0.2463

■ 18.0597, 0.3165,
0.5649

■ 33.6359, 0.2995,
0.2344

■ 17.7862, 0.3129,
0.5819

■ 35.7697, 0.2976,
0.2240

■ 17.6284, 0.3104,
0.5918

■ 38.0593, 0.2958,
0.2149

Harmonies

Analogous

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



22.7735, 0.3346, 0.3637



22.7735, 0.3157, 0.3602



22.7735, 0.2964, 0.3475

Triad

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



22.7735, 0.3157, 0.3602



22.7735, 0.2784, 0.3001



22.7735, 0.3445, 0.3272

Complementary

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



22.7735, 0.3157, 0.3602



19.5410, 0.3092, 0.2988

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.



22.7735, 0.3286, 0.3115



22.7735, 0.3157, 0.3602



22.7735, 0.2905, 0.2960

Square

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



22.7735, 0.3157, 0.3602



22.7735, 0.2753, 0.3122



22.7735, 0.3088, 0.3002



22.7735, 0.3516, 0.3439

Rectangle

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



22.7735, 0.3157, 0.3602



22.7735, 0.2859, 0.3358



22.7735, 0.3088, 0.3002



22.7735, 0.3400, 0.3217

Sweetspot

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



22.7745, 0.3157, 0.3602



42.5004, 0.3137, 0.3387



22.6279, 0.3317, 0.3516



9.8093, 0.3139, 0.3403



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.7745, 0.3157, 0.3602



40.2587, 0.3163, 0.3676



22.5943, 0.3069, 0.3526



5.2534, 0.3149, 0.3512



16.2600, 0.3106, 0.5916



0.0592, 0.3381, 0.5697

Inverse Universe

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



19.5410, 0.3092, 0.2988



33.3269, 0.3084, 0.2920



19.7465, 0.3191, 0.3065



4.7095, 0.3103, 0.3073



4.3049, 0.2641, 0.1229



0.0182, 0.2926, 0.1386

Previews

White Background



This preview shows how the Yxy color 22.7735, 0.3157, 0.3602 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7735, 0.3157, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

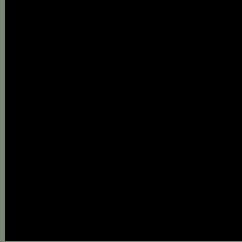
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

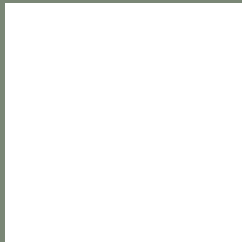
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.7735, 0.3157, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 22.7735, 0.3157, 0.3602.



This preview shows how white text looks on a background with the Yxy color 22.7735, 0.3157, 0.3602.

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

22.7735, 0.3157, 0.3602

Protanopia

22.8119, 0.3363, 0.3554

Deuteranopia

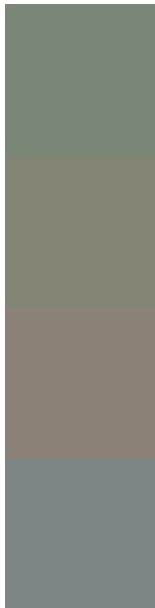
22.5737, 0.3466, 0.3392



Tritanopia

22.8911, 0.2958, 0.3115

Trichromacy



Original Color

22.7735, 0.3157, 0.3602

Protanomaly

22.6924, 0.3289, 0.3558

Deuteranomaly

22.5214, 0.3358, 0.3465

Tritanomaly

22.8285, 0.3038, 0.3290

Monochromacy



Original Color

22.7735, 0.3157, 0.3602

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.1489, 0.3134, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7735, 0.3157, 0.3602 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(122, 135, 118)` looks like.

```
.text, #text, p{  
    color:rgb(122, 135, 118)  
}
```

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(122, 135, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 135, 118) }
```

Border

The CSS property to change the border of an element to Yxy 22.7735, 0.3157, 0.3602 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(122, 135, 118) }
```

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

```
.border{ border-color:rgb(122, 135, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 135, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 135, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 135, 118);  
box-shadow:4px 4px 4px 4px rgb(122, 135,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7735, 0.3157, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 135, 118) }
```

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

```
.background{ background-color: rgb(122,  
135, 118) }
```

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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