

Converting Colors

$Y_{xy}(23.7308, 0.3577, 0.3532)$

Have a look what the booklet for
Yxy(23.7308, 0.3577, 0.3532)
contains.

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Color

Yxy(23.7106, 0.3577, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	998173
RGB	153, 129, 115
RGB Percent	60%, 51%, 45%
CMY	0.4000, 0.4941, 0.5490
CMYK	0.00, 0.16, 0.25, 0.40
HSL	22°, 16%, 53%
HSV	22°, 25%, 60%
XYZ	24.0809, 23.7106, 19.5299
YIQ	134.5800, 18.7980, 0.7340

Conversions

Conversions Part 2

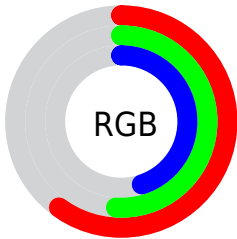
Format	Color
R _Y B	153, 137, 115
Decimal	10060147
CIE Lab	55.80, 6.91, 11.00
CIE LCh	56, 12.990, 57.837
Yxy	23.7106, 0.3577, 0.3522
Android (android.graphics.Color)	4288250227 (0xFF998173)
YUV	134.5800, -9.6529, 16.1543
Hunter-Lab	48.6935, 3.0616, 10.3055

Details

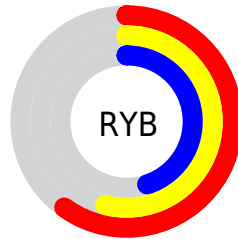
The Yxy color $23.7106, 0.3577, 0.3522$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $24.4093, 0.2752, 0.3046$, and the grayscale version is $24.0966, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.6558, 0.3479, 0.3475$, and $8.9093, 0.3744, 0.3607$ is the 20% darker color. If you saturate the color by 10%, you get $20.9618, 0.3811, 0.3621$, and if you desaturate by 10%, it is $26.7607, 0.3375, 0.3425$.

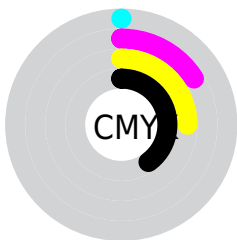
Distribution



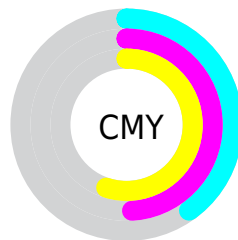
- Red (60%)
- Green (51%)
- Blue (45%)



- Red (60%)
- Yellow (54%)
- Blue (45%)



- Cyan (0%)
- Magenta (16%)
- Yellow (25%)
- Black (40%)





- Cyan (40%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7106, 0.3577, 0.3522 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 23.7106, 0.3577, 0.3522 by changing the saturation by 10% instead.


 23.7106, 0.3577,
0.3522


 23.7106, 0.3577,
0.3522


271.3541, 0.3325,
0.3397


 15.1191, 0.3651,
0.3557


 49.5575, 0.3478,
0.3474

 8.9030, 0.3752,
0.3603


 67.5817, 0.3443,
0.3457

 4.6780, 0.3903,
0.3667

 89.5189, 0.3415,
0.3442

 2.0596, 0.4145,
0.3762

115.7536, 0.3391,
0.3430

 0.6417, 0.5482,
0.4518

146.6700, 0.3371,
0.3420

 0.0000, 0.0000,
0.0000

182.6526, 0.3354,

0.3411

224.0859, 0.3339,
0.3403

■ 23.7106, 0.3577,
0.3522

■ 23.7106, 0.3577,
0.3522

■ 20.9618, 0.3811,
0.3621

■ 26.7607, 0.3375,
0.3425

■ 18.5016, 0.4078,
0.3717

■ 30.1180, 0.3202,
0.3333

■ 16.3210, 0.4376,
0.3804

■ 33.7921, 0.3053,
0.3246

■ 14.4092, 0.4697,
0.3871

■ 37.7915, 0.2927,
0.3166

■ 12.7549, 0.5028,
0.3907

■ 42.1240, 0.2818,
0.3093

■ 11.3453, 0.5346,
0.3901

■ 46.7974, 0.2725,
0.3026

■ 10.1665, 0.5623,
0.3845

■ 51.8191, 0.2644,
0.2965

■ 9.6364, 0.5759,
0.3809

■ 57.1964, 0.2575,
0.2909

■ 62.9361, 0.2514,
0.2858

Harmonies

Analogous

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



23.7106, 0.3538, 0.3337



23.7106, 0.3577, 0.3522



23.7106, 0.3491, 0.3655

Triad

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



23.7106, 0.3577, 0.3522



23.7106, 0.2870, 0.3434



23.7106, 0.2939, 0.2917

Complementary

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



23.7106, 0.3577, 0.3522



24.4093, 0.2752, 0.3046

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.



23.7106, 0.2770, 0.2929



23.7106, 0.3577, 0.3522



23.7106, 0.2732, 0.3220

Square

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



23.7106, 0.3577, 0.3522



23.7106, 0.3079, 0.3611



23.7106, 0.2697, 0.3036



23.7106, 0.3163, 0.2997

Rectangle

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



23.7106, 0.3577, 0.3522



23.7106, 0.3376, 0.3692



23.7106, 0.2697, 0.3036



23.7106, 0.2874, 0.2910

Sweetspot

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



23.7117, 0.3577, 0.3522



52.5037, 0.3239, 0.3353



20.9014, 0.3321, 0.2901



11.5233, 0.3248, 0.3358



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.7117, 0.3577, 0.3522



39.5651, 0.3708, 0.3579



29.1666, 0.3508, 0.3817



6.5769, 0.3275, 0.3373



8.0247, 0.5746, 0.3820



0.1857, 0.5036, 0.4383

Inverse Universe

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



24.4093, 0.2752, 0.3046



41.0373, 0.2665, 0.2981



19.3961, 0.2723, 0.2702



6.6436, 0.2989, 0.3206



8.9742, 0.1907, 0.2065



0.2032, 0.2071, 0.2657

Previews

White Background



This preview shows how the Yxy color 23.7106, 0.3577, 0.3522 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 23.7106, 0.3577, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

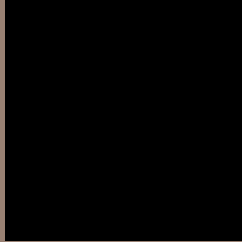
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7106, 0.3577, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 23.7106, 0.3577, 0.3522.



This preview shows how white text looks on a background with the Yxy color 23.7106, 0.3577, 0.3522.

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

23.7106, 0.3577, 0.3522

Protanopia

23.6349, 0.3383, 0.3567

Deuteranopia

23.7106, 0.3577, 0.3522



Tritanopia

23.6678, 0.3362, 0.3130

Trichromacy



Original Color

23.7106, 0.3577, 0.3522

Protanomaly

23.7832, 0.3457, 0.3562

Deuteranomaly

23.7106, 0.3577, 0.3522

Tritanomaly

23.6073, 0.3442, 0.3275

Monochromacy



Original Color

23.7106, 0.3577, 0.3522

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.0844, 0.3285, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7106, 0.3577, 0.3522 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(153, 129, 115)` looks like.

```
.text, #text, p{  
    color:rgb(153, 129, 115)  
}
```

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(153, 129, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 129, 115) }
```

Border

The CSS property to change the border of an element to Yxy 23.7106, 0.3577, 0.3522 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(153, 129, 115) }
```

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

```
.border{ border-color:rgb(153, 129, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 129, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 129, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 129, 115);  
box-shadow:4px 4px 4px 4px rgb(153, 129,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7106, 0.3577, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 129, 115) }
```

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

```
.background{ background-color: rgb(153,  
129, 115) }
```

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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