

Converting Colors

$Y_{xy}(23.0869, 0.3446, 0.3431)$

Have a look what the booklet for
Yxy(23.0869, 0.3446, 0.3431)
contains.

Yxy(22.9975, 0.3447, 0.3426)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9975, 0.3447, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	938078
RGB	147, 128, 120
RGB Percent	58%, 50%, 47%
CMY	0.4236, 0.4980, 0.5294
CMYK	0.00, 0.13, 0.18, 0.42
HSL	18°, 11%, 52%
HSV	18°, 18%, 58%
XYZ	23.1385, 22.9975, 20.9904
YIQ	132.7690, 13.8920, 1.5400

Conversions

Conversions Part 2

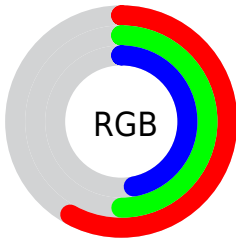
Format	Color
R_{YB}	147, 131, 120
Decimal	9666680
CIE Lab	55.07, 5.87, 7.00
CIE LCh	55, 9.132, 50.027
Yxy	22.9975, 0.3447, 0.3426
Android (android.graphics.Color)	4287856760 (0xFF938078)
YUV	132.7690, -6.2951, 12.4806
Hunter-Lab	47.9557, 2.2031, 7.6175

Details

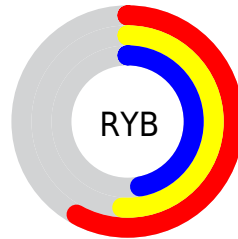
The Yxy color **22.9975, 0.3447, 0.3426** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.5543, 0.2853, 0.3150**, and the grayscale version is **23.3863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4438, 0.3376, 0.3403**, and **8.5466, 0.3565, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **20.1085, 0.3667, 0.3505**, and if you desaturate by 10%, it is **26.2179, 0.3261, 0.3350**.

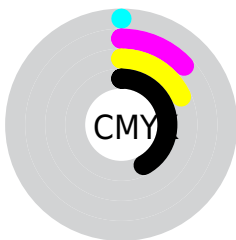
Distribution



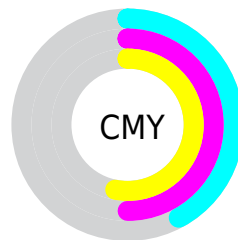
- Red (58%)
- Green (50%)
- Blue (47%)



- Red (58%)
- Yellow (51%)
- Blue (47%)



- Cyan (0%)
- Magenta (13%)
- Yellow (18%)
- Black (42%)




- Cyan (42%)
- Magenta (50%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9975, 0.3447, 0.3426 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 22.9975, 0.3447, 0.3426 by changing the saturation by 10% instead.


 22.9975, 0.3447,
0.3426


 22.9975, 0.3447,
0.3426


267.7122, 0.3267,
0.3352


 14.5917, 0.3500,
0.3447


 48.3892, 0.3376,
0.3397

 8.5333, 0.3574,
0.3475


 66.1439, 0.3351,
0.3387

 4.4381, 0.3684,
0.3515


 87.7836, 0.3331,
0.3379

 1.9215, 0.3866,
0.3576

113.6928, 0.3314,
0.3372

 0.5613, 0.4976,
0.4128

144.2559, 0.3300,
0.3366

 0.0000, 0.0000,
0.0000

179.8572, 0.3287,

0.3360

220.8812, 0.3277,
0.3356

■ 22.9975, 0.3447,
0.3426

■ 22.9975, 0.3447,
0.3426

■ 20.1085, 0.3667,
0.3505

■ 26.2179, 0.3261,
0.3350

■ 17.5371, 0.3924,
0.3585

■ 29.7768, 0.3103,
0.3279

■ 15.2731, 0.4220,
0.3661

■ 33.6850, 0.2970,
0.3213

■ 13.3046, 0.4552,
0.3725

■ 37.9516, 0.2857,
0.3152

■ 11.6188, 0.4909,
0.3767

■ 42.5857, 0.2761,
0.3097

■ 10.2020, 0.5270,
0.3777

■ 47.5959, 0.2679,
0.3047

■ 9.0389, 0.5605,
0.3745

■ 52.9906, 0.2609,
0.3001

■ 8.1093, 0.5892,
0.3677

■ 58.7778, 0.2548,
0.2959

■ 7.9752, 0.5938,
0.3667

■ 64.9653, 0.2495,
0.2921

Harmonies

Analogous

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



22.9975, 0.3396, 0.3289



22.9975, 0.3447, 0.3426



22.9975, 0.3409, 0.3532

Triad

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



22.9975, 0.3447, 0.3426



22.9975, 0.2980, 0.3429



22.9975, 0.2957, 0.3018

Complementary

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



22.9975, 0.3447, 0.3426



24.5543, 0.2853, 0.3150

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.



22.9975, 0.2851, 0.3047



22.9975, 0.3447, 0.3426



22.9975, 0.2864, 0.3282

Square

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



22.9975, 0.3447, 0.3426



22.9975, 0.3137, 0.3538



22.9975, 0.2818, 0.3142



22.9975, 0.3110, 0.3058

Rectangle

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



22.9975, 0.3447, 0.3426



22.9975, 0.3340, 0.3569



22.9975, 0.2818, 0.3142



22.9975, 0.2915, 0.3019

Sweetspot

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



22.9985, 0.3447, 0.3426



48.3372, 0.3223, 0.3334



21.5087, 0.3236, 0.2970



10.9531, 0.3233, 0.3338



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.9985, 0.3447, 0.3426



39.0084, 0.3533, 0.3458



26.6447, 0.3410, 0.3640



6.0794, 0.3275, 0.3356



6.9559, 0.5928, 0.3675



0.1316, 0.5195, 0.4257

Inverse Universe

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



24.5543, 0.2853, 0.3150



42.3213, 0.2792, 0.3115



20.9823, 0.2841, 0.2914



6.2744, 0.2990, 0.3223



10.3409, 0.1977, 0.2317



0.1780, 0.2116, 0.2817

Previews

White Background



This preview shows how the Yxy color 22.9975, 0.3447, 0.3426 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 22.9975, 0.3447, 0.3426 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 22.9975, 0.3447, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 22.9975, 0.3447, 0.3426.



This preview shows how white text looks on a background with the Yxy color 22.9975, 0.3447, 0.3426.

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

22.9975, 0.3447, 0.3426

Protanopia

22.9561, 0.3296, 0.3447

Deuteranopia

22.9244, 0.3475, 0.3408



Tritanopia

23.0888, 0.3290, 0.3126

Trichromacy



Original Color

22.9975, 0.3447, 0.3426

Protanomaly

23.0085, 0.3357, 0.3446

Deuteranomaly

22.8307, 0.3463, 0.3409

Tritanomaly

23.0863, 0.3345, 0.3241

Monochromacy



Original Color

22.9975, 0.3447, 0.3426

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.1944, 0.3241, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9975, 0.3447, 0.3426 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(147, 128, 120)` looks like.

```
.text, #text, p{  
    color:rgb(147, 128, 120)  
}
```

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(147, 128, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 128, 120) }
```

Border

The CSS property to change the border of an element to Yxy 22.9975, 0.3447, 0.3426 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(147, 128, 120) }
```

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

```
.border{ border-color:rgb(147, 128, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 128, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 128, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 128, 120); box-shadow:4px 4px 4px 4px rgb(147, 128, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9975, 0.3447, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 128, 120) }
```

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

```
.background{ background-color: rgb(147,  
128, 120) }
```

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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