

Converting Colors

$Y_{xy}(24.4279, 0.3090, 0.3229)$

Have a look what the booklet for
Yxy(24.4279, 0.3090, 0.3229)
contains.

Yxy(24.3429, 0.3086, 0.3222)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.3429, 0.3086, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	87878B
RGB	135, 135, 139
RGB Percent	53%, 53%, 55%
CMY	0.4706, 0.4706, 0.4549
CMYK	0.03, 0.03, 0.00, 0.45
HSL	240°, 2%, 54%
HSV	240°, 3%, 55%
XYZ	23.3154, 24.3429, 27.8939
YIQ	135.4560, -1.2840, 1.2440

Conversions

Conversions Part 2

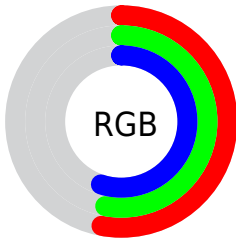
Format	Color
R_{YB}	135, 135, 139
Decimal	8882059
CIE Lab	56.43, 0.80, -2.14
CIE LCh	56, 2.288, 290.451
Yxy	24.3429, 0.3086, 0.3222
Android (android.graphics.Color)	4287072139 (0xFF87878B)
YUV	135.4560, 1.7472, -0.3999
Hunter-Lab	49.3385, -1.9905, 1.0170

Details

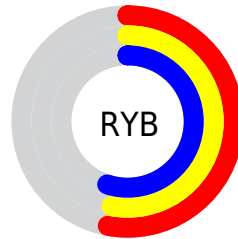
The Yxy color $24.3429, 0.3086, 0.3222$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $25.7006, 0.3168, 0.3357$, and the grayscale version is $24.4009, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.4636, 0.3097, 0.3240$, and $9.1496, 0.3065, 0.3188$ is the 20% darker color. If you saturate the color by 10%, you get $19.6399, 0.2930, 0.2965$, and if you desaturate by 10%, it is $29.7038, 0.3222, 0.3447$.

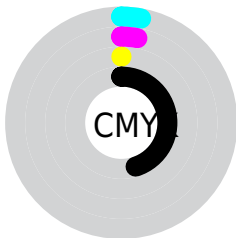
Distribution



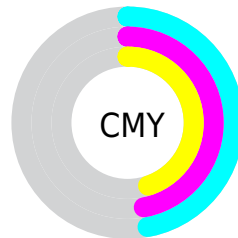
- Red (53%)
- Green (53%)
- Blue (55%)



- Red (53%)
- Yellow (53%)
- Blue (55%)



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)
- Black (45%)



- Cyan (47%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3429, 0.3086, 0.3222 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 24.3429, 0.3086, 0.3222 by changing the saturation by 10% instead.

■ 24.3429, 0.3086,
0.3222

■ 24.3429, 0.3086,
0.3222

■ 274.5495, 0.3109,
0.3260

■ 15.5882, 0.3079,
0.3211

■ 50.5892, 0.3095,
0.3237

■ 9.2332, 0.3070,
0.3196

■ 68.8495, 0.3098,
0.3242

■ 4.8936, 0.3057,
0.3174

■ 91.0472, 0.3101,
0.3246

■ 2.1850, 0.3035,
0.3139

■ 117.5667, 0.3103,
0.3250

■ 0.7118, 0.2984,
0.3051

■ 148.7922, 0.3105,
0.3253

■ 0.0000, 0.0000,
0.0000

185.1083, 0.3106,

0.3255

226.8992, 0.3108,
0.3258

■ 24.3429, 0.3086,
0.3222

■ 24.3429, 0.3086,
0.3222

■ 19.6399, 0.2930,
0.2965

■ 29.7038, 0.3222,
0.3447

■ 15.5665, 0.2755,
0.2676

■ 35.7434, 0.3341,
0.3643

■ 12.0971, 0.2563,
0.2357

■ 42.4853, 0.3443,
0.3812

■ 9.2027, 0.2358,
0.2019

■ 49.9511, 0.3531,
0.3957

■ 6.8525, 0.2149,
0.1674

■ 58.1615, 0.3607,
0.4082

■ 5.0123, 0.1950,
0.1344

■ 67.1362, 0.3672,
0.4189

■ 3.6445, 0.1774,
0.1054

■ 76.8944, 0.3728,
0.4282

■ 2.7059, 0.1637,
0.0827

■ 87.4544, 0.3777,
0.4362

■ 2.1458, 0.1547,
0.0679

■ 94.6440, 0.3804,
0.4408

Harmonies

Analogous

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



24.3429, 0.3059, 0.3230



24.3429, 0.3086, 0.3222



24.3429, 0.3124, 0.3232

Triad

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



24.3429, 0.3086, 0.3222



24.3429, 0.3205, 0.3325



24.3429, 0.3091, 0.3323

Complementary

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



24.3429, 0.3086, 0.3222



25.7006, 0.3168, 0.3357

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.



24.3429, 0.3130, 0.3349



24.3429, 0.3086, 0.3222



24.3429, 0.3196, 0.3350

Square

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



24.3429, 0.3086, 0.3222



24.3429, 0.3193, 0.3291



24.3429, 0.3168, 0.3359



24.3429, 0.3062, 0.3289

Rectangle

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



24.3429, 0.3086, 0.3222



24.3429, 0.3151, 0.3248



24.3429, 0.3168, 0.3359



24.3429, 0.3103, 0.3334

Sweetspot

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



24.3439, 0.3086, 0.3222



45.2876, 0.3113, 0.3266



25.4769, 0.3085, 0.3291



10.4495, 0.3114, 0.3268



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.3439, 0.3086, 0.3222



43.4275, 0.3083, 0.3217



24.5044, 0.3107, 0.3222



5.4974, 0.3075, 0.3203



1.6855, 0.1500, 0.0601



0.0113, 0.1502, 0.0606

Inverse Universe

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



24.5659, 0.3172, 0.3290



43.8508, 0.3175, 0.3290



25.5370, 0.3147, 0.3358



5.5619, 0.3185, 0.3290



4.9544, 0.6399, 0.3299



0.0329, 0.6391, 0.3294

Previews

White Background



This preview shows how the Yxy color 24.3429, 0.3086, 0.3222 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 24.3429, 0.3086, 0.3222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

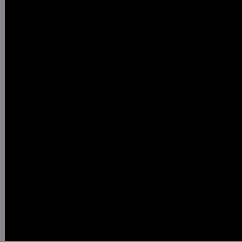
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

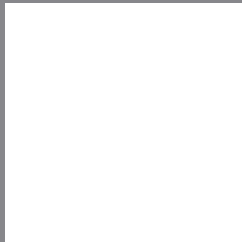
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3429, 0.3086, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 24.3429, 0.3086, 0.3222.

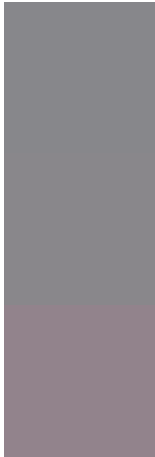


This preview shows how white text looks on a background with the Yxy color 24.3429, 0.3086, 0.3222.

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

24.3429, 0.3086, 0.3222

Protanopia

24.5104, 0.3108, 0.3222

Deuteranopia

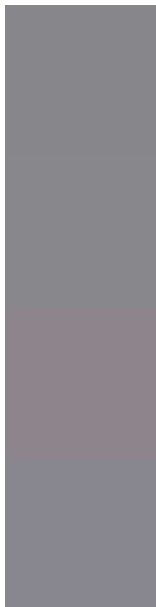
24.2370, 0.3203, 0.3142



Tritanopia

24.3288, 0.3036, 0.3105

Trichromacy



Original Color

24.3429, 0.3086, 0.3222

Protanomaly

24.4263, 0.3097, 0.3222

Deuteranomaly

24.1468, 0.3156, 0.3157

Tritanomaly

24.2676, 0.3057, 0.3138

Monochromacy



Original Color

24.3429, 0.3086, 0.3222

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.2564, 0.3117, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3429, 0.3086, 0.3222 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(135, 135, 139)` looks like.

```
.text, #text, p{  
    color:rgb(135, 135, 139)  
}
```

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(135, 135, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 135, 139) }
```

Border

The CSS property to change the border of an element to Yxy 24.3429, 0.3086, 0.3222 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(135, 135, 139) }
```

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

```
.border{ border-color:rgb(135, 135, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 135, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 135, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 135, 139);  
box-shadow:4px 4px 4px 4px rgb(135, 135,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3429, 0.3086, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 135, 139) }
```

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

```
.background{ background-color: rgb(135,  
135, 139) }
```

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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