

Converting Colors

$Y_{xy}(24.0141, 0.2992, 0.3213)$

Have a look what the booklet for
Yxy(24.0141, 0.2992, 0.3213)
contains.

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Color

Yxy(24.0910, 0.3000, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	80888C
RGB	128, 136, 140
RGB Percent	50%, 53%, 55%
CMY	0.4979, 0.4667, 0.4509
CMYK	0.09, 0.03, 0.00, 0.45
HSL	200°, 5%, 53%
HSV	200°, 9%, 55%
XYZ	22.4450, 24.0910, 28.2807
YIQ	134.0640, -6.0520, -0.4520

Conversions

Conversions Part 2

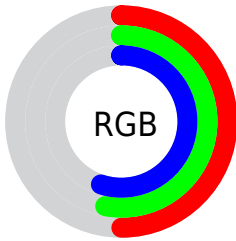
Format	Color
R_{YB}	128, 133, 140
Decimal	8423564
CIE _{Lab}	56.18, -2.06, -3.16
CIE _{LCh}	56, 3.775, 236.851
Yxy	24.0910, 0.3000, 0.3220
Android (android.graphics.Color)	4286613644 (0xFF80888C)
YUV	134.0640, 2.9264, -5.3181
Hunter-Lab	49.0826, -4.2681, 0.1957

Details

The Yxy color **24.0910, 0.3000, 0.3220** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.6548, 0.3263, 0.3359**, and the grayscale version is **23.8585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1140, 0.3025, 0.3226**, and **9.0560, 0.2954, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **21.7846, 0.2850, 0.3130**, and if you desaturate by 10%, it is **26.6074, 0.3149, 0.3301**.

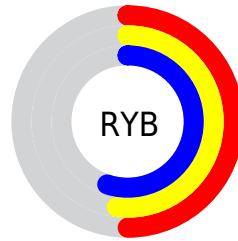
Distribution



Red (50%)

Green (53%)

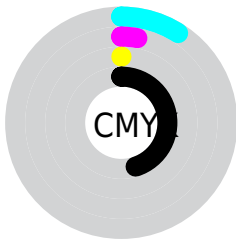
Blue (55%)



Red (50%)

Yellow (52%)

Blue (55%)

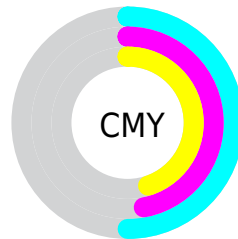


Cyan (9%)

Magenta (3%)

Yellow (0%)

Black (45%)



Cyan (50%)


Magenta (47%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0910, 0.3000, 0.3220 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 24.0910, 0.3000, 0.3220 by changing the saturation by 10% instead.


 24.0910, 0.3000,
0.3220


 24.0910, 0.3000,
0.3220


273.2802, 0.3070,
0.3259


 15.4011, 0.2980,
0.3209


 50.1787, 0.3027,
0.3235

 9.1014, 0.2952,
0.3193


 68.3452, 0.3037,
0.3241

 4.8074, 0.2911,
0.3169

 90.4395, 0.3045,
0.3245

 2.1347, 0.2845,
0.3131

116.8459, 0.3052,
0.3249

 0.6840, 0.2666,
0.3041

147.9488, 0.3058,
0.3252

 0.0000, 0.0000,
0.0000

184.1325, 0.3062,

0.3255

225.7815, 0.3067,
0.3257

■ 24.0910, 0.3000,
0.3220

■ 24.0910, 0.3000,
0.3220

■ 21.7846, 0.2850,
0.3130

■ 26.6074, 0.3149,
0.3301

■ 19.6783, 0.2701,
0.3032

■ 29.3371, 0.3294,
0.3374

■ 17.7658, 0.2557,
0.2926

■ 32.2873, 0.3435,
0.3439

■ 16.0393, 0.2419,
0.2813

■ 35.4640, 0.3569,
0.3497

■ 14.4905, 0.2293,
0.2694

■ 38.8728, 0.3698,
0.3548

■ 13.1101, 0.2180,
0.2571

■ 42.5190, 0.3819,
0.3592

■ 11.8877, 0.2085,
0.2446

■ 46.4078, 0.3934,
0.3631

■ 10.8117, 0.2008,
0.2321

■ 50.5445, 0.4042,
0.3665

■ 9.8561, 0.1948,
0.2198

■ 54.9337, 0.4143,
0.3694

Harmonies

Analogous

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



24.0910, 0.3012, 0.3274



24.0910, 0.3000, 0.3220



24.0910, 0.3022, 0.3185

Triad

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



24.0910, 0.3000, 0.3220



24.0910, 0.3200, 0.3247



24.0910, 0.3182, 0.3404

Complementary

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



24.0910, 0.3000, 0.3220



23.6548, 0.3263, 0.3359

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.



24.0910, 0.3234, 0.3395



24.0910, 0.3000, 0.3220



24.0910, 0.3244, 0.3304

Square

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



24.0910, 0.3000, 0.3220



24.0910, 0.3137, 0.3201



24.0910, 0.3256, 0.3359



24.0910, 0.3117, 0.3381

Rectangle

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



24.0910, 0.3000, 0.3220



24.0910, 0.3052, 0.3178



24.0910, 0.3256, 0.3359



24.0910, 0.3202, 0.3405

Sweetspot

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



24.0920, 0.3000, 0.3220



44.8550, 0.3082, 0.3266



25.0179, 0.3078, 0.3429



10.2585, 0.3071, 0.3260



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.



24.0920, 0.3000, 0.3220



41.7677, 0.2975, 0.3206



22.4615, 0.3000, 0.3115



5.4104, 0.2991, 0.3215



8.6749, 0.1941, 0.2186



0.0847, 0.2095, 0.2743

Inverse Universe

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



22.8031, 0.3181, 0.3155



39.0987, 0.3192, 0.3128



25.3168, 0.3253, 0.3459



5.1009, 0.3185, 0.3146



5.6599, 0.4248, 0.2114



0.0403, 0.3687, 0.1805

Previews

White Background



This preview shows how the Yxy color 24.0910, 0.3000, 0.3220 looks on a white background.

Color Contrast Check

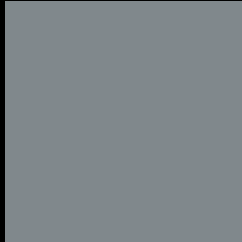
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0910, 0.3000, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

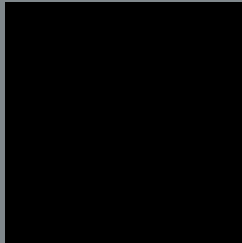
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

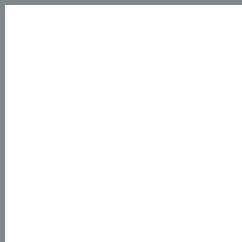
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.0910, 0.3000, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 24.0910, 0.3000, 0.3220.



This preview shows how white text looks on a background with the Yxy color 24.0910, 0.3000, 0.3220.

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

24.0910, 0.3000, 0.3220

Protanopia

24.1485, 0.3098, 0.3205

Deuteranopia

24.1754, 0.3181, 0.3126



Tritanopia

24.0704, 0.2951, 0.3102

Trichromacy



Original Color

24.0910, 0.3000, 0.3220

Protanomaly

24.1786, 0.3064, 0.3221

Deuteranomaly

24.1871, 0.3111, 0.3156

Tritanomaly

24.0087, 0.2971, 0.3135

Monochromacy



Original Color

24.0910, 0.3000, 0.3220

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.0111, 0.3084, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0910, 0.3000, 0.3220 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(128, 136, 140)` looks like.

```
.text, #text, p{  
    color:rgb(128, 136, 140)  
}
```

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(128, 136, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 136, 140) }
```

Border

The CSS property to change the border of an element to Yxy 24.0910, 0.3000, 0.3220 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(128, 136, 140) }
```

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

```
.border{ border-color:rgb(128, 136, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 136, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 136, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 136, 140);  
box-shadow:4px 4px 4px 4px rgb(128, 136,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0910, 0.3000, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 136, 140) }
```

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

```
.background{ background-color: rgb(128,  
136, 140) }
```

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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