

Converting Colors

$Y_{xy}(24.0286, 0.3037, 0.3213)$

Have a look what the booklet for
Yxy(24.0286, 0.3037, 0.3213)
contains.

Yxy(24.0173, 0.3042, 0.3221)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0173, 0.3042, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	83878B
RGB	131, 135, 139
RGB Percent	51%, 53%, 55%
CMY	0.4863, 0.4706, 0.4549
CMYK	0.06, 0.03, 0.00, 0.45
HSL	210°, 3%, 53%
HSV	210°, 6%, 55%
XYZ	22.6826, 24.0173, 27.8648
YIQ	134.2600, -3.6680, 0.3960

Conversions

Conversions Part 2

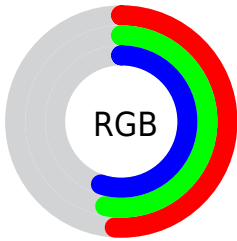
Format	Color
R_{YB}	131, 134, 139
Decimal	8619915
CIE _{Lab}	56.11, -0.66, -2.66
CIE _{LCh}	56, 2.740, 256.059
Yxy	24.0173, 0.3042, 0.3221
Android (android.graphics.Color)	4286809995 (0xFF83878B)
YUV	134.2600, 2.3368, -2.8590
Hunter-Lab	49.0074, -3.1462, 0.5939

Details

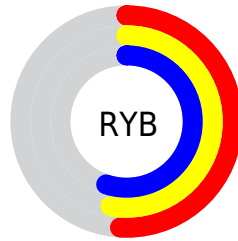
The Yxy color **24.0173, 0.3042, 0.3221** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.4491, 0.3214, 0.3358**, and the grayscale version is **23.9328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9626, 0.3064, 0.3239**, and **9.0121, 0.3016, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **21.1118, 0.2889, 0.3091**, and if you desaturate by 10%, it is **27.1995, 0.3188, 0.3338**.

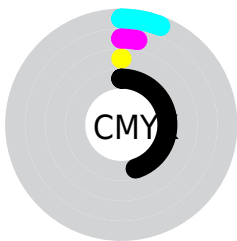
Distribution



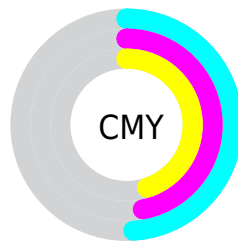
- Red (51%)
- Green (53%)
- Blue (55%)



- Red (51%)
- Yellow (53%)
- Blue (55%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (45%)



- Cyan (49%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0173, 0.3042, 0.3221 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 24.0173, 0.3042, 0.3221 by changing the saturation by 10% instead.

■ 24.0173, 0.3042,
0.3221

■ 24.0173, 0.3042,
0.3221

272.9079, 0.3089,
0.3259

■ 15.3465, 0.3028,
0.3210

■ 50.0584, 0.3060,
0.3236

■ 9.0629, 0.3009,
0.3194

■ 68.1975, 0.3067,
0.3241

■ 4.7822, 0.2982,
0.3172

■ 90.2614, 0.3072,
0.3246

■ 2.1201, 0.2937,
0.3134

116.6346, 0.3077,
0.3249

■ 0.6759, 0.2816,
0.3039

147.7015, 0.3081,
0.3252

■ 0.0000, 0.0000,
0.0000

183.8464, 0.3084,

0.3255

225.4537, 0.3087,
0.3257

■ 24.0173, 0.3042,
0.3221

■ 24.0173, 0.3042,
0.3221

■ 21.1118, 0.2889,
0.3091

■ 27.1995, 0.3188,
0.3338

■ 18.4716, 0.2733,
0.2946

■ 30.6631, 0.3327,
0.3442

■ 16.0891, 0.2574,
0.2789

■ 34.4167, 0.3458,
0.3534

■ 13.9550, 0.2418,
0.2619

■ 38.4676, 0.3580,
0.3615

■ 12.0594, 0.2268,
0.2440

■ 42.8226, 0.3694,
0.3686

■ 10.3915, 0.2128,
0.2253

■ 47.4884, 0.3800,
0.3749

■ 8.9395, 0.2004,
0.2064

■ 52.4716, 0.3898,
0.3803

■ 7.6903, 0.1900,
0.1877

■ 57.7783, 0.3988,
0.3851

■ 6.6252, 0.1817,
0.1697

■ 63.2082, 0.4063,
0.3895

Harmonies

Analogous

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



24.0173, 0.3035, 0.3252



24.0173, 0.3042, 0.3221



24.0173, 0.3072, 0.3208

Triad

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



24.0173, 0.3042, 0.3221



24.0173, 0.3203, 0.3285



24.0173, 0.3137, 0.3365

Complementary

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



24.0173, 0.3042, 0.3221



24.4491, 0.3214, 0.3358

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.



24.0173, 0.3183, 0.3373



24.0173, 0.3042, 0.3221



24.0173, 0.3220, 0.3327

Square

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



24.0173, 0.3042, 0.3221



24.0173, 0.3164, 0.3245



24.0173, 0.3213, 0.3359



24.0173, 0.3090, 0.3336

Rectangle

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



24.0173, 0.3042, 0.3221



24.0173, 0.3101, 0.3212



24.0173, 0.3213, 0.3359



24.0173, 0.3153, 0.3370

Sweetspot

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



24.0183, 0.3042, 0.3221



45.0747, 0.3097, 0.3266



25.0341, 0.3082, 0.3361



10.4036, 0.3099, 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.



24.0183, 0.3042, 0.3221



42.2616, 0.3021, 0.3204



22.9539, 0.3043, 0.3153



5.4047, 0.3019, 0.3202



5.6417, 0.1786, 0.1629



0.0667, 0.1998, 0.2393

Inverse Universe

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



23.4678, 0.3176, 0.3222



41.0591, 0.3189, 0.3205



25.5528, 0.3209, 0.3423



5.2473, 0.3190, 0.3203



5.3537, 0.4895, 0.2470



0.0385, 0.4030, 0.1994

Previews

White Background



This preview shows how the Yxy color 24.0173, 0.3042, 0.3221 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 24.0173, 0.3042, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

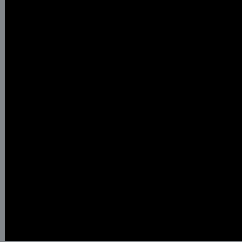
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

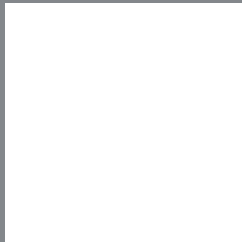
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.0173, 0.3042, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 24.0173, 0.3042, 0.3221.



This preview shows how white text looks on a background with the Yxy color 24.0173, 0.3042, 0.3221.

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

24.0173, 0.3042, 0.3221

Protanopia

24.1194, 0.3108, 0.3222

Deuteranopia

23.8785, 0.3193, 0.3125



Tritanopia

24.0001, 0.2993, 0.3103

Trichromacy



Original Color

24.0173, 0.3042, 0.3221

Protanomaly

23.9535, 0.3086, 0.3221

Deuteranomaly

23.9714, 0.3133, 0.3156

Tritanomaly

23.9389, 0.3013, 0.3136

Monochromacy



Original Color

24.0173, 0.3042, 0.3221

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.8143, 0.3095, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0173, 0.3042, 0.3221 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(131, 135, 139)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 135, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 135, 139) }
```

Border

The CSS property to change the border of an element to Yxy 24.0173, 0.3042, 0.3221 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(131, 135, 139) }
```

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

```
.border{ border-color:rgb(131, 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(131, 135, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 135, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 135, 139);  
box-shadow:4px 4px 4px 4px rgb(131, 135,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0173, 0.3042, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 135, 139) }
```

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

```
.background{ background-color: rgb(131,  
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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