

Converting Colors

$Y_{xy}(24.2221, 0.3132, 0.3430)$

Have a look what the booklet for
Yxy(24.2221, 0.3132, 0.3430)
contains.

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Color

Yxy(24.2221, 0.3132, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	828981
RGB	130, 137, 129
RGB Percent	51%, 54%, 51%
CMY	0.4901, 0.4628, 0.4941
CMYK	0.05, 0.00, 0.06, 0.46
HSL	112°, 3%, 52%
HSV	112°, 6%, 54%
XYZ	22.1177, 24.2221, 24.2786
YIQ	133.9950, -1.6040, -3.9720

Conversions

Conversions Part 2

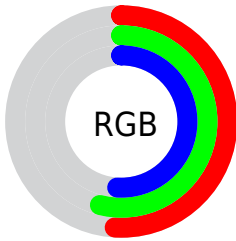
Format	Color
R_{YB}	129, 137, 136
Decimal	8554881
CIE _{Lab}	56.31, -4.14, 3.39
CIE _{LCh}	56, 5.351, 140.646
Yxy	24.2221, 0.3132, 0.3430
Android (android.graphics.Color)	4286744961 (0xFF828981)
YUV	133.9950, -2.4625, -3.5036
Hunter-Lab	49.2160, -5.9099, 5.2030

Details

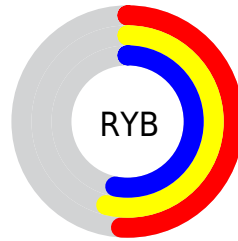
The Yxy color $24.2221, 0.3132, 0.3430$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $22.7380, 0.3122, 0.3153$, and the grayscale version is $23.8501, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.2716, 0.3131, 0.3393$, and $9.1449, 0.3135, 0.3475$ is the 20% darker color. If you saturate the color by 10%, you get $22.9931, 0.3139, 0.3693$, and if you desaturate by 10%, it is $25.6114, 0.3123, 0.3196$.

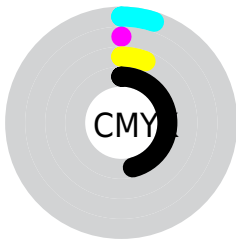
Distribution



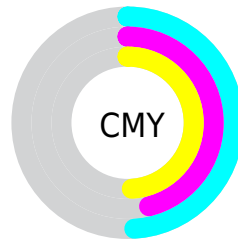
- Red (51%)
- Green (54%)
- Blue (51%)



- Red (51%)
- Yellow (54%)
- Blue (53%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (46%)





- Cyan (49%)
- Magenta (46%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2221, 0.3132, 0.3430 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 24.2221, 0.3132, 0.3430 by changing the saturation by 10% instead.


 24.2221, 0.3132,
0.3430

 24.2221, 0.3132,
0.3430


273.9414, 0.3130,
0.3352


 15.4985, 0.3133,
0.3453


 50.3924, 0.3131,
0.3399

 9.1700, 0.3133,
0.3485


 68.6078, 0.3131,
0.3388

 4.8522, 0.3134,
0.3532

 90.7560, 0.3131,
0.3380

 2.1608, 0.3134,
0.3610

117.2213, 0.3130,
0.3372

 0.6985, 0.3154,
0.3914

148.3881, 0.3130,
0.3366

 0.0000, 0.0000,
0.0000

184.6407, 0.3130,

0.3361

226.3637, 0.3130,
0.3356

■ 24.2221, 0.3132,
0.3430

■ 24.2221, 0.3132,
0.3430

■ 22.9931, 0.3139,
0.3693

■ 25.6114, 0.3123,
0.3196

■ 21.9157, 0.3144,
0.3985

■ 27.1634, 0.3114,
0.2991

■ 20.9850, 0.3145,
0.4302

■ 28.8841, 0.3104,
0.2811

■ 20.1945, 0.3142,
0.4634

■ 30.7785, 0.3095,
0.2655

■ 19.5374, 0.3134,
0.4967

■ 32.8512, 0.3085,
0.2519

■ 19.0063, 0.3120,
0.5283

■ 35.1067, 0.3076,
0.2400

■ 18.5929, 0.3100,
0.5558

■ 37.5494, 0.3067,
0.2297

■ 18.2881, 0.3076,
0.5772

■ 40.1835, 0.3058,
0.2208

■ 18.0802, 0.3050,
0.5916

■ 43.0131, 0.3050,
0.2129

Harmonies

Analogous

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



24.2221, 0.3223, 0.3453



24.2221, 0.3132, 0.3430



24.2221, 0.3041, 0.3368

Triad

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



24.2221, 0.3132, 0.3430



24.2221, 0.2968, 0.3149



24.2221, 0.3283, 0.3293

Complementary

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



24.2221, 0.3132, 0.3430



22.7380, 0.3122, 0.3153

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.



24.2221, 0.3213, 0.3214



24.2221, 0.3132, 0.3430



24.2221, 0.3031, 0.3132

Square

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



24.2221, 0.3132, 0.3430



24.2221, 0.2947, 0.3204



24.2221, 0.3120, 0.3156



24.2221, 0.3311, 0.3372

Rectangle

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



24.2221, 0.3132, 0.3430



24.2221, 0.2993, 0.3313



24.2221, 0.3120, 0.3156



24.2221, 0.3263, 0.3265

Sweetspot

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



24.2231, 0.3132, 0.3430



44.2918, 0.3129, 0.3338



24.4911, 0.3211, 0.3409



9.9421, 0.3129, 0.3335



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



24.2231, 0.3132, 0.3430



43.0764, 0.3133, 0.3463



24.2210, 0.3091, 0.3378



5.6923, 0.3133, 0.3467



16.7859, 0.3044, 0.5965



0.1150, 0.3222, 0.5824

Inverse Universe

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



22.7380, 0.3122, 0.3153



39.8426, 0.3120, 0.3121



22.7418, 0.3165, 0.3203



5.2548, 0.3120, 0.3117



5.3604, 0.2894, 0.1368



0.0398, 0.3059, 0.1459

Previews

White Background



This preview shows how the Yxy color 24.2221, 0.3132, 0.3430 looks on a white background.

Color Contrast Check

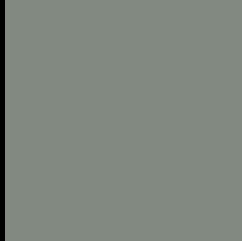
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2221, 0.3132, 0.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

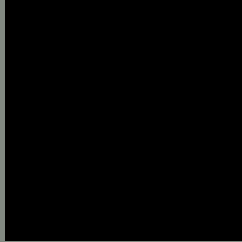
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

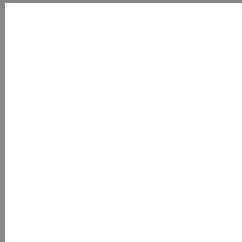
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.2221, 0.3132, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 24.2221, 0.3132, 0.3430.



This preview shows how white text looks on a background with the Yxy color 24.2221, 0.3132, 0.3430.

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

24.2221, 0.3132, 0.3430

Protanopia

24.0977, 0.3248, 0.3393

Deuteranopia

24.0610, 0.3363, 0.3291



Tritanopia

24.3588, 0.3004, 0.3121

Trichromacy



Original Color

24.2221, 0.3132, 0.3430

Protanomaly

24.1207, 0.3212, 0.3411

Deuteranomaly

24.2264, 0.3274, 0.3341

Tritanomaly

24.3779, 0.3053, 0.3238

Monochromacy



Original Color

24.2221, 0.3132, 0.3430

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.9804, 0.3136, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2221, 0.3132, 0.3430 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(130, 137, 129)` looks like.

```
.text, #text, p{  
    color:rgb(130, 137, 129)  
}
```

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(130, 137, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 137, 129) }
```

Border

The CSS property to change the border of an element to Yxy 24.2221, 0.3132, 0.3430 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(130, 137, 129) }
```

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

```
.border{ border-color:rgb(130, 137, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 137, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 137, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 137, 129);  
box-shadow:4px 4px 4px 4px rgb(130, 137,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2221, 0.3132, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 137, 129) }
```

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

```
.background{ background-color: rgb(130,  
137, 129) }
```

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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