

Converting Colors

$Y_{xy}(22.1620, 0.3163, 0.3235)$

Have a look what the booklet for
Yxy(22.1620, 0.3163, 0.3235)
contains.

Yxy(22.1454, 0.3165, 0.3238)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1454, 0.3165, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	868083
RGB	134, 128, 131
RGB Percent	53%, 50%, 51%
CMY	0.4745, 0.4980, 0.4863
CMYK	0.00, 0.04, 0.02, 0.47
HSL	330°, 2%, 51%
HSV	330°, 4%, 53%
XYZ	21.6461, 22.1454, 24.6007
YIQ	130.1360, 2.6130, 2.2050

Conversions

Conversions Part 2

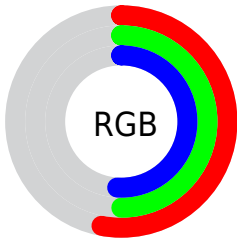
Format	Color
R_{YB}	134, 128, 131
Decimal	8814723
CIE _{Lab}	54.18, 2.84, -0.81
CIE _{LCh}	54, 2.950, 344.042
Yxy	22.1454, 0.3165, 0.3238
Android (android.graphics.Color)	4287004803 (0xFF868083)
YUV	130.1360, 0.4260, 3.3887
Hunter-Lab	47.0589, -0.2467, 1.9466

Details

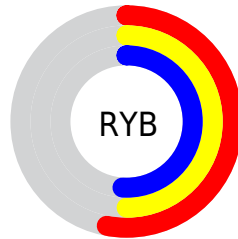
The Yxy color **22.1454, 0.3165, 0.3238** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.2783, 0.3091, 0.3343**, and the grayscale version is **22.3716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0732, 0.3155, 0.3252**, and **8.0860, 0.3167, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **18.7015, 0.3262, 0.3117**, and if you desaturate by 10%, it is **26.0647, 0.3084, 0.3352**.

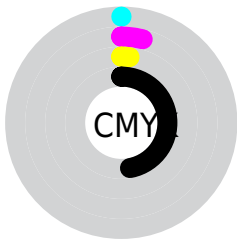
Distribution



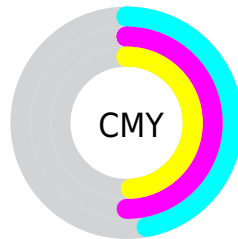
- Red (53%)
- Green (50%)
- Blue (51%)



- Red (53%)
- Yellow (50%)
- Blue (51%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (47%)



- Cyan (47%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1454, 0.3165, 0.3238 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 22.1454, 0.3165, 0.3238 by changing the saturation by 10% instead.

■ 22.1454, 0.3165,
0.3238

■ 22.1454, 0.3165,
0.3238

■ 263.3046, 0.3144,
0.3267

■ 13.9638, 0.3171,
0.3229

■ 46.9862, 0.3157,
0.3250

■ 8.0955, 0.3180,
0.3217

■ 64.4142, 0.3154,
0.3254

■ 4.1561, 0.3193,
0.3200

■ 85.6930, 0.3151,
0.3257

■ 1.7613, 0.3214,
0.3170

■ 111.2072, 0.3149,
0.3260

■ 0.4629, 0.3322,
0.3020

■ 141.3410, 0.3148,
0.3262

■ 0.0000, 0.0000,
0.0000

176.4790, 0.3146,

0.3264

217.0054, 0.3145,
0.3266

■ 22.1454, 0.3165,
0.3238

■ 22.1454, 0.3165,
0.3238

■ 18.7015, 0.3262,
0.3117

■ 26.0647, 0.3084,
0.3352

■ 15.7121, 0.3377,
0.2990

■ 30.4739, 0.3018,
0.3458

■ 13.1586, 0.3515,
0.2862

■ 35.3900, 0.2962,
0.3557

■ 11.0204, 0.3676,
0.2736

■ 40.8288, 0.2916,
0.3647

■ 9.2751, 0.3862,
0.2620

■ 46.8051, 0.2878,
0.3730

■ 7.8979, 0.4072,
0.2524

■ 53.3333, 0.2846,
0.3806

■ 6.8614, 0.4301,
0.2459

■ 60.4269, 0.2819,
0.3875

■ 6.1345, 0.4541,
0.2435

■ 68.0995, 0.2796,
0.3939

■ 5.6756, 0.4780,
0.2460

■ 76.3637, 0.2778,
0.3998

Harmonies

Analogous

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



22.1454, 0.3112, 0.3208



22.1454, 0.3165, 0.3238



22.1454, 0.3208, 0.3282

Triad

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



22.1454, 0.3165, 0.3238



22.1454, 0.3191, 0.3382



22.1454, 0.3026, 0.3251

Complementary

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



22.1454, 0.3165, 0.3238



23.2783, 0.3091, 0.3343

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.



22.1454, 0.3047, 0.3298



22.1454, 0.3165, 0.3238



22.1454, 0.3142, 0.3374

Square

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



22.1454, 0.3165, 0.3238



22.1454, 0.3224, 0.3365



22.1454, 0.3089, 0.3343



22.1454, 0.3032, 0.3215

Rectangle

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



22.1454, 0.3165, 0.3238



22.1454, 0.3226, 0.3313



22.1454, 0.3089, 0.3343



22.1454, 0.3030, 0.3266

Sweetspot

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



22.1464, 0.3165, 0.3238



41.3069, 0.3136, 0.3278



21.9866, 0.3097, 0.3185



9.3169, 0.3135, 0.3279



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



22.1464, 0.3165, 0.3238



38.6090, 0.3171, 0.3230



22.0667, 0.3198, 0.3290



5.0227, 0.3174, 0.3226



5.1275, 0.4910, 0.2478



0.0192, 0.4041, 0.2000

Inverse Universe

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



22.1464, 0.3165, 0.3238



38.6090, 0.3171, 0.3230



23.3602, 0.3060, 0.3290



5.0227, 0.3174, 0.3226



5.1275, 0.4910, 0.2478



0.0192, 0.4041, 0.2000

Previews

White Background



This preview shows how the Yxy color 22.1454, 0.3165, 0.3238 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 22.1454, 0.3165, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

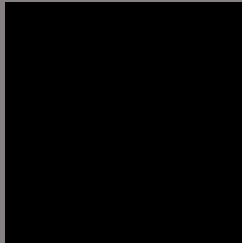
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1454, 0.3165, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 22.1454, 0.3165, 0.3238.



This preview shows how white text looks on a background with the Yxy color 22.1454, 0.3165, 0.3238.

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

22.1454, 0.3165, 0.3238

Protanopia

22.1645, 0.3129, 0.3255

Deuteranopia

21.9686, 0.3253, 0.3188



Tritanopia

22.1358, 0.3112, 0.3117

Trichromacy



Original Color

22.1454, 0.3165, 0.3238

Protanomaly

22.2447, 0.3140, 0.3255

Deuteranomaly

21.9637, 0.3215, 0.3204

Tritanomaly

22.0789, 0.3134, 0.3151

Monochromacy



Original Color

22.1454, 0.3165, 0.3238

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.1375, 0.3140, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1454, 0.3165, 0.3238 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(134, 128, 131)` looks like.

```
.text, #text, p{  
    color:rgb(134, 128, 131)  
}
```

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(134, 128, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 128, 131) }
```

Border

The CSS property to change the border of an element to Yxy 22.1454, 0.3165, 0.3238 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(134, 128, 131) }
```

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

```
.border{ border-color:rgb(134, 128, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 128, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 128, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 128, 131);  
box-shadow:4px 4px 4px 4px rgb(134, 128,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1454, 0.3165, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 128, 131) }
```

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

```
.background{ background-color: rgb(134,  
128, 131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor