

Converting Colors

$Y_{xy}(22.3417, 0.3223, 0.3273)$

Have a look what the booklet for
Yxy(22.3417, 0.3223, 0.3273)
contains.

Yxy(22.3417, 0.3223, 0.3273)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3417, 0.3223, 0.3273)

Conversions

Conversions Part 1

Format	Color
Hex	898081
RGB	137, 128, 129
RGB Percent	54%, 50%, 51%
CMY	0.4627, 0.4981, 0.4941
CMYK	0.00, 0.07, 0.06, 0.46
HSL	353°, 4%, 52%
HSV	353°, 7%, 54%
XYZ	22.0004, 22.3417, 23.9185
YIQ	130.8050, 5.0430, 2.2190

Conversions

Conversions Part 2

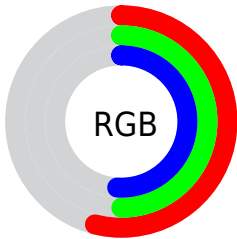
Format	Color
RYB	137, 128, 129
Decimal	9011329
CIELab	54.39, 3.60, 0.68
CIELCh	54, 3.666, 10.722
Yxy	22.3417, 0.3223, 0.3273
Android (android.graphics.Color)	4287201409 (0xFF898081)
YUV	130.8050, -0.8899, 5.4330
Hunter-Lab	47.2670, 0.3654, 3.0844

Details

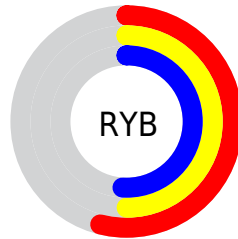
The Yxy color $22.3417, 0.3223, 0.3273$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $24.2653, 0.3039, 0.3307$, and the grayscale version is $22.6269, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.3723, 0.3197, 0.3277$, and $8.1974, 0.3255, 0.3264$ is the 20% darker color. If you saturate the color by 10%, you get $18.7012, 0.3397, 0.3246$, and if you desaturate by 10%, it is $26.5056, 0.3082, 0.3298$.

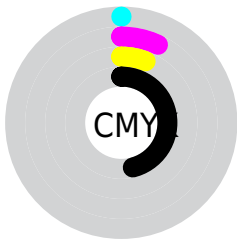
Distribution



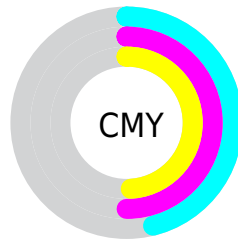
- Red (54%)
- Green (50%)
- Blue (51%)



- Red (54%)
- Yellow (50%)
- Blue (51%)



- Cyan (0%)
- Magenta (7%)
- Yellow (6%)
- Black (46%)





- Cyan (46%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3417, 0.3223, 0.3273 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 22.3417, 0.3223, 0.3273 by changing the saturation by 10% instead.


 22.3417, 0.3223,
0.3273


 22.3417, 0.3223,
0.3273


264.3256, 0.3169,
0.3283


 14.1082, 0.3239,
0.3270


 47.3101, 0.3202,
0.3277

 8.1960, 0.3261,
0.3266


 64.8138, 0.3194,
0.3278

 4.2206, 0.3294,
0.3260

 86.1763, 0.3188,
0.3279

 1.7977, 0.3350,
0.3249

111.7821, 0.3183,
0.3280

 0.4857, 0.3624,
0.3203

142.0155, 0.3179,
0.3281

 0.0000, 0.0000,
0.0000

177.2610, 0.3175,

0.3282

217.9029, 0.3172,
0.3282

■ 22.3417, 0.3223,
0.3273

■ 22.3417, 0.3223,
0.3273

■ 18.7012, 0.3397,
0.3246

■ 26.5056, 0.3082,
0.3298

■ 15.5606, 0.3611,
0.3217

■ 31.2093, 0.2968,
0.3322

■ 12.8989, 0.3874,
0.3189

■ 36.4724, 0.2875,
0.3343

■ 10.6926, 0.4191,
0.3162

■ 42.3122, 0.2799,
0.3362

■ 8.9161, 0.4564,
0.3142

■ 48.7457, 0.2736,
0.3380

■ 7.5414, 0.4982,
0.3131

■ 55.7890, 0.2684,
0.3396

■ 6.5369, 0.5416,
0.3137

■ 63.4574, 0.2640,
0.3410

■ 5.8666, 0.5819,
0.3162

■ 71.7660, 0.2603,
0.3423

■ 5.4698, 0.6138,
0.3200

■ 80.7291, 0.2572,
0.3435

Harmonies

Analogous

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



22.3417, 0.3167, 0.3221



22.3417, 0.3223, 0.3273



22.3417, 0.3253, 0.3331

Triad

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



22.3417, 0.3223, 0.3273



22.3417, 0.3153, 0.3397



22.3417, 0.3006, 0.3201

Complementary

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



22.3417, 0.3223, 0.3273



24.2653, 0.3039, 0.3307

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.



22.3417, 0.3003, 0.3248



22.3417, 0.3223, 0.3273



22.3417, 0.3087, 0.3361

Square

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



22.3417, 0.3223, 0.3273



22.3417, 0.3212, 0.3403



22.3417, 0.3032, 0.3307



22.3417, 0.3042, 0.3179

Rectangle

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



22.3417, 0.3223, 0.3273



22.3417, 0.3255, 0.3364



22.3417, 0.3032, 0.3307



22.3417, 0.3001, 0.3215

Sweetspot

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



22.3427, 0.3223, 0.3273



43.2648, 0.3155, 0.3285



22.4761, 0.3122, 0.3135



9.7272, 0.3154, 0.3285



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.



22.3427, 0.3223, 0.3273



38.8996, 0.3248, 0.3269



23.2344, 0.3229, 0.3350



5.0570, 0.3264, 0.3266



4.9874, 0.6226, 0.3203



0.0341, 0.5564, 0.2839

Inverse Universe

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



22.3427, 0.3223, 0.3273



38.8996, 0.3248, 0.3269



23.3255, 0.3030, 0.3229



5.0570, 0.3264, 0.3266



4.9874, 0.6226, 0.3203



0.0341, 0.5564, 0.2839

Previews

White Background



This preview shows how the Yxy color 22.3417, 0.3223, 0.3273 looks on a white background.

Color Contrast Check

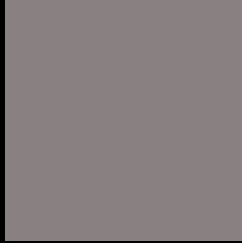
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3417, 0.3223, 0.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

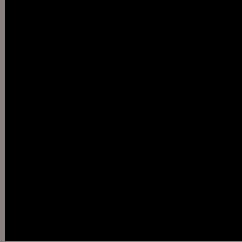
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3417, 0.3223, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 22.3417, 0.3223, 0.3273.

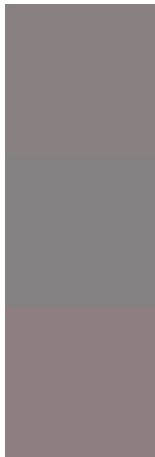


This preview shows how white text looks on a background with the Yxy color 22.3417, 0.3223, 0.3273.

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

22.3417, 0.3223, 0.3273

Protanopia

22.2178, 0.3151, 0.3272

Deuteranopia

22.3463, 0.3298, 0.3240



Tritanopia

22.3882, 0.3147, 0.3119

Trichromacy



Original Color

22.3417, 0.3223, 0.3273

Protanomaly

22.3806, 0.3175, 0.3273

Deuteranomaly

22.4264, 0.3272, 0.3256

Tritanomaly

22.3032, 0.3180, 0.3170

Monochromacy



Original Color

22.3417, 0.3223, 0.3273

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.5635, 0.3162, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3417, 0.3223, 0.3273 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(137, 128, 129)` looks like.

```
.text, #text, p{  
    color:rgb(137, 128, 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(137, 128, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 128, 129) }
```

Border

The CSS property to change the border of an element to Yxy 22.3417, 0.3223, 0.3273 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(137, 128, 129) }
```

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

```
.border{ border-color:rgb(137, 128, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 128, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 128, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 128, 129); box-shadow:4px 4px 4px 4px rgb(137, 128, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3417, 0.3223, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 128, 129) }
```

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

```
.background{ background-color: rgb(137,  
128, 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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