

Converting Colors

$Y_{xy}(21.9754, 0.2799, 0.3283)$

Have a look what the booklet for
Yxy(21.9754, 0.2799, 0.3283)
contains.

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Color

Yxy(22.0203, 0.2800, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	688787
RGB	104, 135, 135
RGB Percent	41%, 53%, 53%
CMY	0.5921, 0.4706, 0.4706
CMYK	0.23, 0.00, 0.00, 0.47
HSL	180°, 13%, 47%
HSV	180°, 23%, 53%
XYZ	18.7464, 22.0203, 26.1847
YIQ	125.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

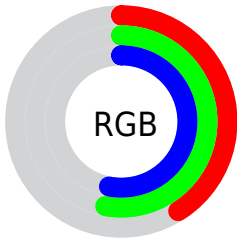
Format	Color
RYB	104, 120, 135
Decimal	6850439
CIELab	54.05, -10.89, -3.60
CIElCh	54, 11.466, 198.296
Yxy	22.0203, 0.2800, 0.3289
Android (android.graphics.Color)	4285040519 (0xFF688787)
YUV	125.7310, 4.5696, -19.0581
Hunter-Lab	46.9258, -10.8112, -0.2359

Details

The Yxy color **22.0203, 0.2800, 0.3289** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.0522, 0.3576, 0.3291**, and the grayscale version is **20.7576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6652, 0.2874, 0.3289**, and **7.9936, 0.2682, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **21.2768, 0.2674, 0.3289**, and if you desaturate by 10%, it is **22.8949, 0.2937, 0.3289**.

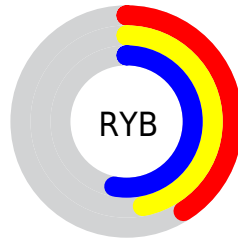
Distribution



Red (41%)

Green (53%)

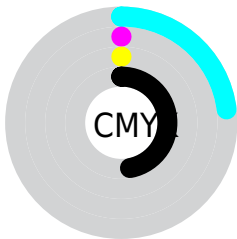
Blue (53%)



Red (41%)

Yellow (47%)

Blue (53%)

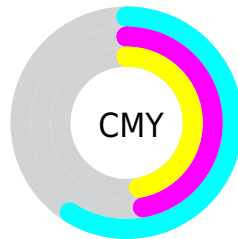


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (47%)



Cyan (59%)

Magenta (47%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0203, 0.2800, 0.3289 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 22.0203, 0.2800, 0.3289 by changing the saturation by 10% instead.

■ 22.0203, 0.2800,
0.3289

■ 22.0203, 0.2800,
0.3289

■ 262.6523, 0.2983,
0.3291

■ 13.8718, 0.2747,
0.3287

■ 46.7795, 0.2872,
0.3291

■ 8.0316, 0.2673,
0.3285

■ 64.1591, 0.2897,
0.3291

■ 4.1152, 0.2563,
0.3279

■ 85.3845, 0.2918,
0.3291

■ 1.7382, 0.2385,
0.3266

■ 110.8400, 0.2935,
0.3291

■ 0.4482, 0.1189,
0.3325

■ 140.9102, 0.2950,
0.3291

■ 0.0000, 0.0000,
0.0000

175.9794, 0.2962,

0.3291

216.4319, 0.2973,
0.3291

■ 22.0203, 0.2800,
0.3289

■ 22.0203, 0.2800,
0.3289

■ 21.2768, 0.2674,
0.3289

■ 22.8949, 0.2937,
0.3289

■ 20.6557, 0.2563,
0.3288

■ 23.9037, 0.3083,
0.3290

■ 20.1511, 0.2467,
0.3288

■ 25.0530, 0.3234,
0.3290

■ 19.7558, 0.2389,
0.3288

■ 26.3478, 0.3390,
0.3291

■ 19.4617, 0.2328,
0.3288

■ 27.7931, 0.3546,
0.3291

■ 19.2596, 0.2286,
0.3287

■ 29.3934, 0.3701,
0.3292

■ 19.1387, 0.2260,
0.3287

■ 31.1531, 0.3853,
0.3292

■ 19.0773, 0.2247,
0.3287

■ 33.0765, 0.4001,
0.3293

■ 35.1677, 0.4143,
0.3293

Harmonies

Analogous

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



22.0203, 0.2950, 0.3478



22.0203, 0.2800, 0.3289



22.0203, 0.2736, 0.3108

Triad

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



22.0203, 0.2800, 0.3289



22.0203, 0.3093, 0.2992



22.0203, 0.3492, 0.3591

Complementary

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



22.0203, 0.2800, 0.3289



16.0522, 0.3576, 0.3291

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.



22.0203, 0.3535, 0.3451



22.0203, 0.2800, 0.3289



22.0203, 0.3300, 0.3112

Square

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



22.0203, 0.2800, 0.3289



22.0203, 0.2901, 0.2945



22.0203, 0.3464, 0.3277



22.0203, 0.3350, 0.3654

Rectangle

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



22.0203, 0.2800, 0.3289



22.0203, 0.2749, 0.3017



22.0203, 0.3464, 0.3277



22.0203, 0.3519, 0.3551

Sweetspot

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



22.0212, 0.2800, 0.3289



42.0171, 0.3021, 0.3290



21.2716, 0.3098, 0.3906



9.7107, 0.3014, 0.3290



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.



22.0212, 0.2800, 0.3289



38.6511, 0.2727, 0.3289



18.0064, 0.2778, 0.2988



5.2789, 0.2992, 0.3290



17.5909, 0.2247, 0.3287



0.0609, 0.2247, 0.3287

Inverse Universe

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



16.8019, 0.3153, 0.2742



27.4541, 0.3159, 0.2607



19.4645, 0.3516, 0.3574



4.7628, 0.3137, 0.3076



6.3628, 0.3209, 0.1542



0.0220, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 22.0203, 0.2800, 0.3289 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 22.0203, 0.2800, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

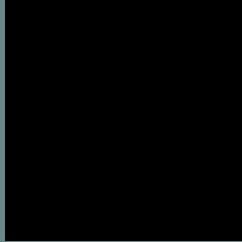
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

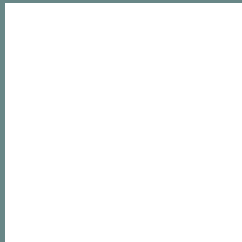
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0203, 0.2800, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 22.0203, 0.2800, 0.3289.



This preview shows how white text looks on a background with the Yxy color 22.0203, 0.2800, 0.3289.

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

22.0203, 0.2800, 0.3289

Protanopia

21.8229, 0.3118, 0.3237

Deuteranopia

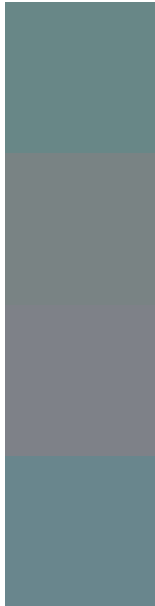
21.8766, 0.3149, 0.3085



Tritanopia

22.1280, 0.2737, 0.3105

Trichromacy



Original Color

22.0203, 0.2800, 0.3289

Protanomaly

21.9635, 0.3004, 0.3271

Deuteranomaly

21.9137, 0.3019, 0.3165

Tritanomaly

21.9765, 0.2754, 0.3159

Monochromacy



Original Color

22.0203, 0.2800, 0.3289

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.1370, 0.3001, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0203, 0.2800, 0.3289 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(104, 135, 135)` looks like.

```
.text, #text, p{  
    color:rgb(104, 135, 135)  
}
```

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(104, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 135, 135) }
```

Border

The CSS property to change the border of an element to Yxy 22.0203, 0.2800, 0.3289 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(104, 135, 135) }
```

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

```
.border{ border-color:rgb(104, 135, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 135, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 135, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 135, 135);  
box-shadow:4px 4px 4px 4px rgb(104, 135,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0203, 0.2800, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 135, 135) }
```

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

```
.background{ background-color: rgb(104,  
135, 135) }
```

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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