

Converting Colors

$Y_{xy}(22.1258, 0.2990, 0.3044)$

Have a look what the booklet for
Yxy(22.1258, 0.2990, 0.3044)
contains.

Yxy(22.0585, 0.2990, 0.3046)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.0585, 0.2990, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	81808E
RGB	129, 128, 142
RGB Percent	51%, 50%, 56%
CMY	0.4942, 0.4980, 0.4431
CMYK	0.09, 0.10, 0.00, 0.44
HSL	244°, 6%, 53%
HSV	244°, 10%, 56%
XYZ	21.6530, 22.0585, 28.7065
YIQ	129.8950, -3.8980, 4.5660

Conversions

Conversions Part 2

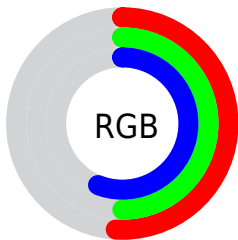
Format	Color
R_{YB}	129, 128, 142
Decimal	8487054
CIE Lab	54.09, 3.26, -7.40
CIE LCh	54, 8.089, 293.802
Yxy	22.0585, 0.2990, 0.3046
Android (android.graphics.Color)	4286677134 (0xFF81808E)
YUV	129.8950, 5.9678, -0.7849
Hunter-Lab	46.9665, 0.1025, -3.3622

Details

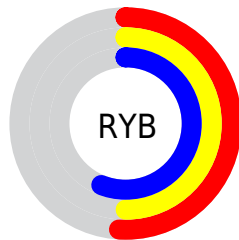
The Yxy color **22.0585, 0.2990, 0.3046** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.5686, 0.3258, 0.3524**, and the grayscale version is **22.2634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9784, 0.3019, 0.3098**, and **8.0701, 0.2937, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **17.6422, 0.2832, 0.2768**, and if you desaturate by 10%, it is **27.1288, 0.3129, 0.3293**.

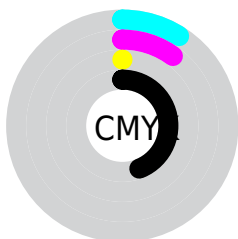
Distribution



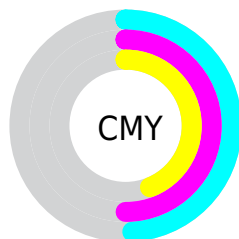
- Red (51%)
- Green (50%)
- Blue (56%)



- Red (51%)
- Yellow (50%)
- Blue (56%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (44%)



- Cyan (49%)
- Magenta (50%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0585, 0.2990, 0.3046 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 22.0585, 0.2990, 0.3046 by changing the saturation by 10% instead.

■ 22.0585, 0.2990,
0.3046

■ 22.0585, 0.2990,
0.3046

262.8516, 0.3067,
0.3182

■ 13.8999, 0.2967,
0.3007

■ 46.8427, 0.3021,
0.3099

■ 8.0511, 0.2935,
0.2952

■ 64.2370, 0.3031,
0.3118

■ 4.1276, 0.2887,
0.2871

■ 85.4787, 0.3040,
0.3133

■ 1.7452, 0.2807,
0.2741

110.9522, 0.3047,
0.3146

■ 0.4527, 0.2584,
0.2294

141.0418, 0.3054,
0.3157

■ 0.0000, 0.0000,
0.0000

176.1320, 0.3059,

0.3167

216.6072, 0.3063,
0.3175

■ 22.0585, 0.2990,
0.3046

■ 22.0585, 0.2990,
0.3046

■ 17.6422, 0.2832,
0.2768

■ 27.1288, 0.3129,
0.3293

■ 13.8505, 0.2656,
0.2461

■ 32.8754, 0.3250,
0.3511

■ 10.6563, 0.2465,
0.2132

■ 39.3227, 0.3355,
0.3700

■ 8.0288, 0.2265,
0.1793

■ 46.4933, 0.3444,
0.3864

■ 5.9351, 0.2066,
0.1461

■ 54.4087, 0.3521,
0.4007

■ 4.3383, 0.1881,
0.1159

■ 63.0895, 0.3587,
0.4130

■ 3.1973, 0.1724,
0.0910

■ 72.5556, 0.3644,
0.4236

■ 2.4641, 0.1606,
0.0732

■ 82.8260, 0.3693,
0.4329

■ 2.0227, 0.1530,
0.0618

■ 93.4035, 0.3738,
0.4403

Harmonies

Analogous

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



22.0585, 0.2887, 0.3064



22.0585, 0.2990, 0.3046



22.0585, 0.3131, 0.3090

Triad

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



22.0585, 0.2990, 0.3046



22.0585, 0.3414, 0.3427



22.0585, 0.2980, 0.3399

Complementary

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



22.0585, 0.2990, 0.3046



26.5686, 0.3258, 0.3524

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.



22.0585, 0.3118, 0.3503



22.0585, 0.2990, 0.3046



22.0585, 0.3371, 0.3516

Square

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



22.0585, 0.2990, 0.3046



22.0585, 0.3379, 0.3306



22.0585, 0.3261, 0.3545



22.0585, 0.2882, 0.3266

Rectangle

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



22.0585, 0.2990, 0.3046



22.0585, 0.3229, 0.3148



22.0585, 0.3261, 0.3545



22.0585, 0.3023, 0.3439

Sweetspot

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



22.0594, 0.2990, 0.3046



44.8428, 0.3086, 0.3217



25.6118, 0.2981, 0.3274



9.8632, 0.3076, 0.3199



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.



22.0594, 0.2990, 0.3046



36.9304, 0.2954, 0.2982



22.6223, 0.3068, 0.3052



5.2719, 0.3000, 0.3064



1.8144, 0.1531, 0.0617



0.0202, 0.1677, 0.0697

Inverse Universe

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



23.1148, 0.3149, 0.3073



39.2097, 0.3154, 0.3019



25.9782, 0.3181, 0.3530



5.5046, 0.3147, 0.3088



6.6623, 0.3388, 0.1640



0.0650, 0.3291, 0.1586

Previews

White Background



This preview shows how the Yxy color 22.0585, 0.2990, 0.3046 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 22.0585, 0.2990, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

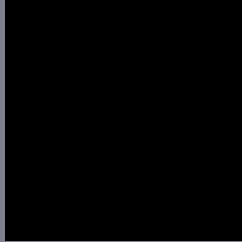
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

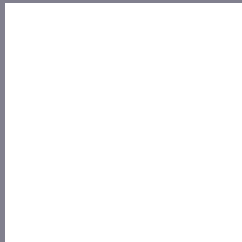
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0585, 0.2990, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 22.0585, 0.2990, 0.3046.

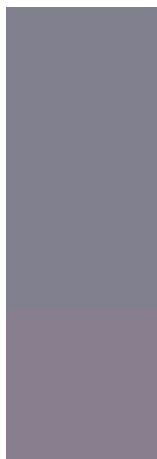


This preview shows how white text looks on a background with the Yxy color 22.0585, 0.2990, 0.3046.

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

22.0585, 0.2990, 0.3046

Protanopia

21.9805, 0.2979, 0.3045

Deuteranopia

22.1089, 0.3070, 0.3017



Tritanopia

22.1538, 0.3010, 0.3114

Trichromacy



Original Color

22.0585, 0.2990, 0.3046

Protanomaly

21.9805, 0.2979, 0.3045

Deuteranomaly

22.1183, 0.3035, 0.3032

Tritanomaly

22.1832, 0.3000, 0.3097

Monochromacy



Original Color

22.0585, 0.2990, 0.3046

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.1676, 0.3085, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0585, 0.2990, 0.3046 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(129, 128, 142)` looks like.

```
.text, #text, p{  
    color:rgb(129, 128, 142)  
}
```

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(129, 128, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 128, 142) }
```

Border

The CSS property to change the border of an element to Yxy 22.0585, 0.2990, 0.3046 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(129, 128, 142) }
```

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

```
.border{ border-color:rgb(129, 128, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 128, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 128, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 128, 142); box-shadow:4px 4px 4px 4px rgb(129, 128, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0585, 0.2990, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 128, 142) }
```

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

```
.background{ background-color: rgb(129,  
128, 142) }
```

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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