

Converting Colors

$Y_{xy}(22.8140, 0.2601, 0.3232)$

Have a look what the booklet for
Yxy(22.8140, 0.2601, 0.3232)
contains.

Yxy(22.8140, 0.2601, 0.3232)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8140, 0.2601, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	588C8F
RGB	88, 140, 143
RGB Percent	35%, 55%, 56%
CMY	0.6549, 0.4510, 0.4393
CMYK	0.38, 0.02, 0.00, 0.44
HSL	183°, 24%, 45%
HSV	183°, 38%, 56%
XYZ	18.3599, 22.8140, 29.4140
YIQ	124.7940, -31.9550, -10.0910

Conversions

Conversions Part 2

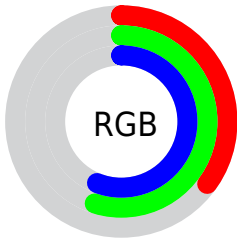
Format	Color
R_{YB}	88, 115, 143
Decimal	5803151
CIE _{Lab}	54.88, -16.49, -7.08
CIE _{LCh}	55, 17.942, 203.247
Yxy	22.8140, 0.2601, 0.3232
Android (android.graphics.Color)	4283993231 (0xFF588C8F)
YUV	124.7940, 8.9756, -32.2683
Hunter-Lab	47.7640, -14.9738, -3.0771

Details

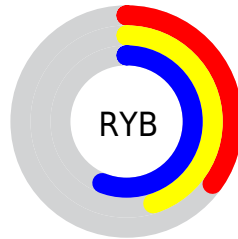
The Yxy color **22.8140, 0.2601, 0.3232** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.0229, 0.4015, 0.3346**, and the grayscale version is **20.4136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2775, 0.2715, 0.3248**, and **8.4777, 0.2400, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **21.9586, 0.2492, 0.3215**, and if you desaturate by 10%, it is **23.8096, 0.2724, 0.3248**.

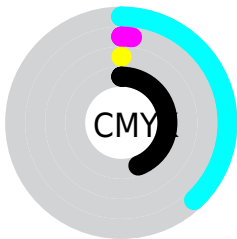
Distribution



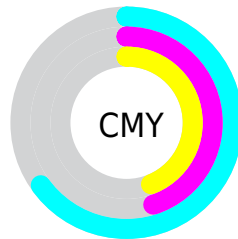
- Red (35%)
- Green (55%)
- Blue (56%)



- Red (35%)
- Yellow (45%)
- Blue (56%)



- Cyan (38%)
- Magenta (2%)
- Yellow (0%)
- Black (44%)



- Cyan (65%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8140, 0.2601, 0.3232 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 22.8140, 0.2601, 0.3232 by changing the saturation by 10% instead.

■ 22.8140, 0.2601,
0.3232

■ 22.8140, 0.2601,
0.3232

266.7682, 0.2891,
0.3269

■ 14.4562, 0.2518,
0.3219

■ 48.0877, 0.2714,
0.3248

■ 8.4387, 0.2405,
0.3199

■ 65.7725, 0.2754,
0.3253

■ 4.3769, 0.2241,
0.3166

■ 87.3350, 0.2787,
0.3258

■ 1.8865, 0.1983,
0.3103

■ 113.1597, 0.2814,
0.3261

■ 0.5403, 0.0638,
0.3106

143.6310, 0.2838,
0.3264

■ 0.0000, 0.0000,
0.0000

179.1333, 0.2858,

0.3266

220.0509, 0.2876,
0.3268

■ 22.8140, 0.2601,
0.3232

■ 22.8140, 0.2601,
0.3232

■ 21.9586, 0.2492,
0.3215

■ 23.8096, 0.2724,
0.3248

■ 21.2328, 0.2400,
0.3197

■ 24.9502, 0.2858,
0.3264

■ 20.6284, 0.2325,
0.3179

■ 26.2435, 0.3001,
0.3279

■ 20.1356, 0.2269,
0.3162

■ 27.6959, 0.3151,
0.3292

■ 19.7428, 0.2230,
0.3144

■ 29.3134, 0.3304,
0.3304

■ 19.4247, 0.2205,
0.3127

■ 31.1019, 0.3458,
0.3315

■ 19.3767, 0.2201,
0.3124

■ 33.0667, 0.3611,
0.3325

■ 35.2131, 0.3761,
0.3334

■ 37.5460, 0.3908,
0.3341

Harmonies

Analogous

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



22.8140, 0.2807, 0.3537



22.8140, 0.2601, 0.3232



22.8140, 0.2531, 0.2964

Triad

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



22.8140, 0.2601, 0.3232



22.8140, 0.3124, 0.2863



22.8140, 0.3663, 0.3775

Complementary

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



22.8140, 0.2601, 0.3232



14.0229, 0.4015, 0.3346

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.



22.8140, 0.3762, 0.3569



22.8140, 0.2601, 0.3232



22.8140, 0.3442, 0.3055

Square

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



22.8140, 0.2601, 0.3232



22.8140, 0.2820, 0.2770



22.8140, 0.3681, 0.3308



22.8140, 0.3419, 0.3860

Rectangle

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



22.8140, 0.2601, 0.3232



22.8140, 0.2566, 0.2842



22.8140, 0.3681, 0.3308



22.8140, 0.3715, 0.3716

Sweetspot

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



22.8149, 0.2601, 0.3232



46.0970, 0.2946, 0.3273



22.4653, 0.3051, 0.4359



10.5106, 0.2930, 0.3272



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.8149, 0.2601, 0.3232



39.5474, 0.2507, 0.3217



15.8119, 0.2522, 0.2684



6.0670, 0.2990, 0.3278



17.1478, 0.2201, 0.3125



0.1738, 0.2226, 0.3212

Inverse Universe

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



14.7129, 0.3211, 0.2417



23.0298, 0.3232, 0.2236



19.5571, 0.3832, 0.3825



5.5061, 0.3145, 0.3085



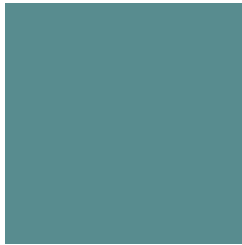
6.7174, 0.3346, 0.1617



0.0652, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 22.8140, 0.2601, 0.3232 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 22.8140, 0.2601, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

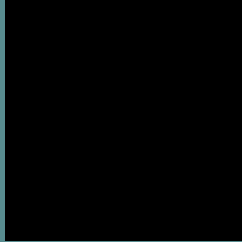
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8140, 0.2601, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 22.8140, 0.2601, 0.3232.



This preview shows how white text looks on a background with the Yxy color 22.8140, 0.2601, 0.3232.

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

22.8140, 0.2601, 0.3232

Protanopia

22.5967, 0.3064, 0.3168

Deuteranopia

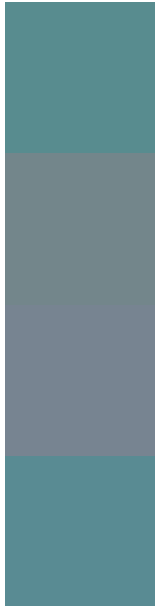
22.5724, 0.3039, 0.2970



Tritanopia

22.8409, 0.2559, 0.3084

Trichromacy



Original Color

22.8140, 0.2601, 0.3232

Protanomaly

22.5591, 0.2872, 0.3199

Deuteranomaly

22.4688, 0.2855, 0.3059

Tritanomaly

22.6957, 0.2575, 0.3138

Monochromacy



Original Color

22.8140, 0.2601, 0.3232

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.0760, 0.2905, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8140, 0.2601, 0.3232 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(88, 140, 143)` looks like.

```
.text, #text, p{  
    color:rgb(88, 140, 143)  
}
```

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(88, 140, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 140, 143) }
```

Border

The CSS property to change the border of an element to Yxy 22.8140, 0.2601, 0.3232 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(88, 140, 143) }
```

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

```
.border{ border-color:rgb(88, 140, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 140, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 140, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 140, 143);  
box-shadow:4px 4px 4px 4px rgb(88, 140,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8140, 0.2601, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 140, 143) }
```

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

```
.background{ background-color: rgb(88, 140,  
143) }
```

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