

Converting Colors

$Y_{xy}(22.9011, 0.2314, 0.3228)$

Have a look what the booklet for
Yxy(22.9011, 0.2314, 0.3228)
contains.

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Color

$\text{Yxy}(22.8603, 0.2314, 0.3228)$

Conversions

Conversions Part 1

Format	Color
Hex	299194
RGB	41, 145, 148
RGB Percent	16%, 57%, 58%
CMY	0.8390, 0.4314, 0.4196
CMYK	0.72, 0.02, 0.00, 0.42
HSL	182°, 57%, 37%
HSV	182°, 72%, 58%
XYZ	16.3875, 22.8603, 31.5710
YIQ	114.2460, -62.9470, -21.1150

Conversions

Conversions Part 2

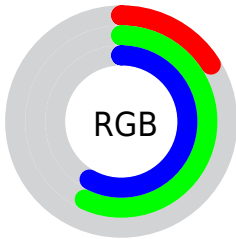
Format	Color
RYB	41, 94, 148
Decimal	2724244
CIELab	54.93, -27.44, -10.09
CIELCh	55, 29.232, 200.182
Yxy	22.8603, 0.2314, 0.3228
Android (android.graphics.Color)	4280914324 (0xFF299194)
YUV	114.2460, 16.6407, -64.2367
Hunter-Lab	47.8124, -22.4918, -5.6810

Details

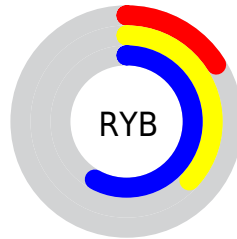
The Yxy color **22.8603, 0.2314, 0.3228** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.2646, 0.5458, 0.3336**, and the grayscale version is **16.8735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0542, 0.2485, 0.3246**, and **8.8685, 0.2222, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **22.4842, 0.2268, 0.3219**, and if you desaturate by 10%, it is **23.3531, 0.2379, 0.3237**.

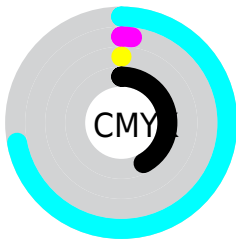
Distribution



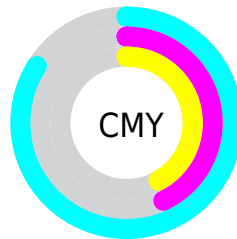
- Red (16%)
- Green (57%)
- Blue (58%)



- Red (16%)
- Yellow (37%)
- Blue (58%)



- Cyan (72%)
- Magenta (2%)
- Yellow (0%)
- Black (42%)





- Cyan (84%)
- Magenta (43%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8603, 0.2314, 0.3228 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 22.8603, 0.2314, 0.3228 by changing the saturation by 10% instead.


 22.8603, 0.2314,
0.3228


 22.8603, 0.2314,
0.3228


 267.0067, 0.2757,
0.3274


 14.4904, 0.2191,
0.3209


 48.1638, 0.2484,
0.3250

 8.4625, 0.2024,
0.3179

 65.8663, 0.2546,
0.3256


 4.3923, 0.1790,
0.3127

 87.4483, 0.2596,
0.3261


 1.8953, 0.1440,
0.3024

 113.2944, 0.2639,
0.3265

 0.5456, 0.0000,
0.2894

 143.7888, 0.2675,
0.3268

 0.0000, 0.0000,
0.0000

 179.3161, 0.2706,

0.3271

220.2606, 0.2733,
0.3273

■ 22.8603, 0.2314,
0.3228

■ 22.8603, 0.2314,
0.3228

■ 22.4842, 0.2268,
0.3219

■ 23.3531, 0.2379,
0.3237

■ 22.2086, 0.2239,
0.3210

■ 23.9714, 0.2461,
0.3247

■ 22.0364, 0.2223,
0.3203

■ 24.7264, 0.2561,
0.3256

■ 25.6270, 0.2677,
0.3265

■ 26.6816, 0.2806,
0.3273

■ 27.8977, 0.2945,
0.3281

■ 29.2827, 0.3093,
0.3288

■ 30.8432, 0.3246,
0.3295

■ 32.5856, 0.3401,
0.3301

Harmonies

Analogous

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



22.8603, 0.2648, 0.3749



22.8603, 0.2314, 0.3228



22.8603, 0.2189, 0.2784

Triad

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



22.8603, 0.2314, 0.3228



22.8603, 0.3058, 0.2601



22.8603, 0.4016, 0.4025

Complementary

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



22.8603, 0.2314, 0.3228



8.2646, 0.5458, 0.3336

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.



22.8603, 0.4163, 0.3665



22.8603, 0.2314, 0.3228



22.8603, 0.3586, 0.2880

Square

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



22.8603, 0.2314, 0.3228



22.8603, 0.2589, 0.2472



22.8603, 0.4005, 0.3256



22.8603, 0.3630, 0.4224

Rectangle

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



22.8603, 0.2314, 0.3228



22.8603, 0.2229, 0.2589



22.8603, 0.4005, 0.3256



22.8603, 0.4097, 0.3917

Sweetspot

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



22.8612, 0.2314, 0.3228



47.0330, 0.2803, 0.3273



21.8300, 0.3014, 0.5509



10.6280, 0.2771, 0.3271



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.8612, 0.2314, 0.3228



39.3307, 0.2247, 0.3213



10.3967, 0.2029, 0.2077



6.5345, 0.2990, 0.3283



18.8258, 0.2223, 0.3203



0.2375, 0.2236, 0.3249

Inverse Universe

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



9.9314, 0.3247, 0.1780



15.3671, 0.3268, 0.1630



14.8817, 0.4701, 0.4157



5.9064, 0.3141, 0.3078



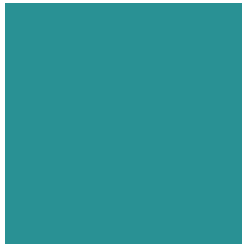
7.0938, 0.3279, 0.1580



0.0875, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 22.8603, 0.2314, 0.3228 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 22.8603, 0.2314, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

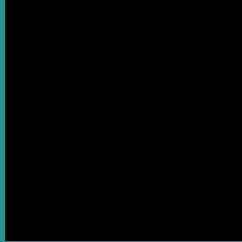
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8603, 0.2314, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 22.8603, 0.2314, 0.3228.

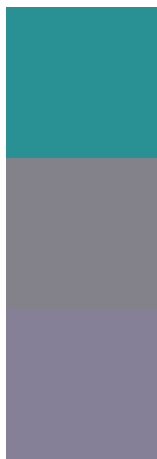


This preview shows how white text looks on a background with the Yxy color 22.8603, 0.2314, 0.3228.

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

22.8603, 0.2314, 0.3228

Protanopia

22.6546, 0.3043, 0.3134

Deuteranopia

22.4323, 0.2933, 0.2869



Tritanopia

22.9277, 0.2280, 0.3057

Trichromacy



Original Color

22.8603, 0.2314, 0.3228

Protanomaly

21.8776, 0.2682, 0.3157

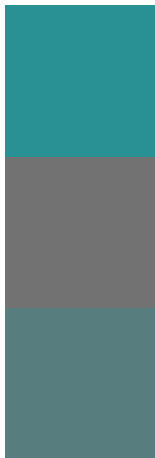
Deuteranomaly

21.9939, 0.2622, 0.2978

Tritanomaly

22.7819, 0.2290, 0.3113

Monochromacy



Original Color

22.8603, 0.2314, 0.3228

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.1998, 0.2699, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8603, 0.2314, 0.3228 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(41, 145, 148)` looks like.

```
.text, #text, p{  
    color:rgb(41, 145, 148)  
}
```

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(41, 145, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 145, 148) }
```

Border

The CSS property to change the border of an element to Yxy 22.8603, 0.2314, 0.3228 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(41, 145, 148) }
```

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

```
.border{ border-color:rgb(41, 145, 148) }
```

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

Here you see how a box with a 4 pixel rgb(41, 145, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 145, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 145, 148);  
box-shadow:4px 4px 4px 4px rgb(41, 145,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8603, 0.2314, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 145, 148) }
```

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

```
.background{ background-color: rgb(41, 145,  
148) }
```

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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