

Converting Colors

$Y_{xy}(21.0966, 0.2235, 0.2889)$

Have a look what the booklet for
Yxy(21.0966, 0.2235, 0.2889)
contains.

Yxy(21.2264, 0.2239, 0.2900)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(21.2264, 0.2239, 0.2900)$

Conversions

Conversions Part 1

Format	Color
Hex	2E8A9E
RGB	46, 138, 158
RGB Percent	18%, 54%, 62%
CMY	0.8194, 0.4588, 0.3804
CMYK	0.71, 0.13, 0.00, 0.38
HSL	191°, 55%, 40%
HSV	191°, 71%, 62%
XYZ	16.3882, 21.2264, 35.5798
YIQ	112.7720, -61.2520, -13.2840

Conversions

Conversions Part 2

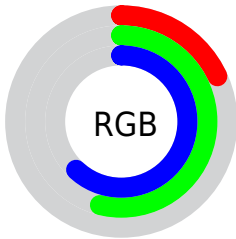
Format	Color
R_{YB}	46, 97, 158
Decimal	3050142
CIE _{Lab}	53.20, -19.97, -18.45
CIE _{LCh}	53, 27.188, 222.741
Yxy	21.2264, 0.2239, 0.2900
Android (android.graphics.Color)	4281240222 (0xFF2E8A9E)
YUV	112.7720, 22.2974, -58.5590
Hunter-Lab	46.0721, -17.1322, -13.5371

Details

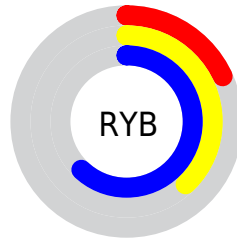
The Yxy color **21.2264, 0.2239, 0.2900** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.3698, 0.5198, 0.3572**, and the grayscale version is **16.3937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6292, 0.2423, 0.2995**, and **8.0410, 0.2095, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.1254, 0.2171, 0.2837**, and if you desaturate by 10%, it is **22.4851, 0.2325, 0.2963**.

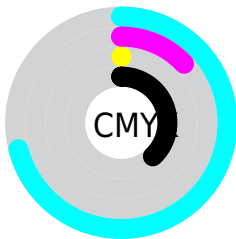
Distribution



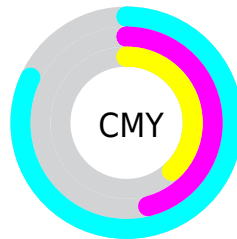
- Red (18%)
- Green (54%)
- Blue (62%)



- Red (18%)
- Yellow (38%)
- Blue (62%)



- Cyan (71%)
- Magenta (13%)
- Yellow (0%)
- Black (38%)



- Cyan (82%)
- Magenta (46%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2264, 0.2239, 0.2900 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 21.2264, 0.2239, 0.2900 by changing the saturation by 10% instead.

21.2264, 0.2239,
0.2900

21.2264, 0.2239,
0.2900

258.4792, 0.2724,
0.3131

13.2896, 0.2104,
0.2827

45.4640, 0.2425,
0.2994

7.6283, 0.1924,
0.2724

62.5336, 0.2492,
0.3027

3.8580, 0.1672,
0.2565

83.4163, 0.2548,
0.3053

1.5945, 0.1303,
0.2302

108.4964, 0.2594,
0.3074

0.3539, 0.0000,
0.1595

138.1584, 0.2634,
0.3092

0.0000, 0.0000,
0.0000

172.7866, 0.2668,

0.3107

212.7654, 0.2698,
0.3120

■ 21.2264, 0.2239,
0.2900

■ 21.2264, 0.2239,
0.2900

■ 20.1254, 0.2171,
0.2837

■ 22.4851, 0.2325,
0.2963

■ 19.1639, 0.2122,
0.2774

■ 23.9127, 0.2429,
0.3024

■ 18.3725, 0.2088,
0.2716

■ 25.5216, 0.2547,
0.3084

■ 27.3228, 0.2678,
0.3140

■ 29.3259, 0.2818,
0.3193

■ 31.5400, 0.2964,
0.3242

■ 33.9735, 0.3114,
0.3286

■ 36.6346, 0.3265,
0.3327

■ 39.5306, 0.3415,
0.3363

Harmonies

Analogous

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



21.2264, 0.2412, 0.3355



21.2264, 0.2239, 0.2900



21.2264, 0.2279, 0.2603

Triad

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



21.2264, 0.2239, 0.2900



21.2264, 0.3443, 0.2820



21.2264, 0.3716, 0.4155

Complementary

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



21.2264, 0.2239, 0.2900



11.3698, 0.5198, 0.3572

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.



21.2264, 0.4036, 0.3920



21.2264, 0.2239, 0.2900



21.2264, 0.3884, 0.3165

Square

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



21.2264, 0.2239, 0.2900



21.2264, 0.2940, 0.2584



21.2264, 0.4105, 0.3556



21.2264, 0.3252, 0.4144

Rectangle

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



21.2264, 0.2239, 0.2900



21.2264, 0.2421, 0.2514



21.2264, 0.4105, 0.3556



21.2264, 0.3845, 0.4099

Sweetspot

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



21.2272, 0.2239, 0.2900



53.0430, 0.2810, 0.3190



25.4136, 0.2929, 0.5205



11.7392, 0.2773, 0.3176



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.2272, 0.2239, 0.2900



35.5049, 0.2140, 0.2800



9.2942, 0.1955, 0.1743



7.3078, 0.2988, 0.3249



14.7666, 0.2089, 0.2721



0.3122, 0.2159, 0.2972

Inverse Universe

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



11.0623, 0.3520, 0.1980



17.2820, 0.3627, 0.1852



21.0648, 0.4458, 0.4390



6.7342, 0.3163, 0.3108



7.1129, 0.3708, 0.1816



0.1320, 0.3479, 0.1690

Previews

White Background



This preview shows how the Yxy color 21.2264, 0.2239, 0.2900 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 21.2264, 0.2239, 0.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

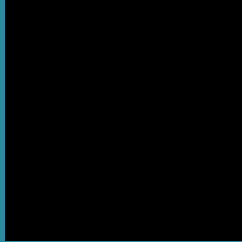
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2264, 0.2239, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 21.2264, 0.2239, 0.2900.

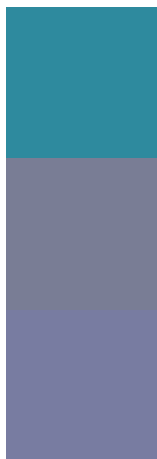


This preview shows how white text looks on a background with the Yxy color 21.2264, 0.2239, 0.2900.

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

21.2264, 0.2239, 0.2900

Protanopia

20.9021, 0.2831, 0.2866

Deuteranopia

20.9816, 0.2707, 0.2656



Tritanopia

21.1710, 0.2266, 0.3049

Trichromacy



Original Color

21.2264, 0.2239, 0.2900

Protanomaly

20.6119, 0.2551, 0.2879

Deuteranomaly

20.5657, 0.2478, 0.2723

Tritanomaly

21.3119, 0.2255, 0.2993

Monochromacy



Original Color

21.2264, 0.2239, 0.2900

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.6279, 0.2684, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2264, 0.2239, 0.2900 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(46, 138, 158)` looks like.

```
.text, #text, p{  
    color:rgb(46, 138, 158)  
}
```

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(46, 138, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 138, 158) }
```

Border

The CSS property to change the border of an element to Yxy 21.2264, 0.2239, 0.2900 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(46, 138, 158) }
```

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

```
.border{ border-color:rgb(46, 138, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 138, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 138, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 138, 158);  
box-shadow:4px 4px 4px 4px rgb(46, 138,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2264, 0.2239, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 138, 158) }
```

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

```
.background{ background-color: rgb(46, 138,  
158) }
```

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