

Converting Colors

$Yxy(22.0024, 0.2009, 0.2804)$

Have a look what the booklet for
Yxy(22.0024, 0.2009, 0.2804)
contains.

Yxy(22.7737, 0.2121, 0.2834)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.7737, 0.2121, 0.2834)

Conversions

Conversions Part 1

Format	Color
Hex	0090A8
RGB	0, 144, 168
RGB Percent	0%, 56%, 66%
CMY	0.9985, 0.4353, 0.3412
CMYK	1.00, 0.14, 0.00, 0.34
HSL	189°, 100%, 33%
HSV	189°, 100%, 66%
XYZ	17.0441, 22.7737, 40.5410
YIQ	103.6800, -93.5280, -23.0640

Conversions

Conversions Part 2

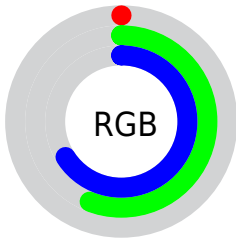
Format	Color
RYB	0, 78, 168
Decimal	37032
CIELab	54.84, -23.38, -21.75
CIELCh	55, 31.932, 222.926
Yxy	22.7737, 0.2121, 0.2834
Android (android.graphics.Color)	4278227112 (0xFF0090A8)
YUV	103.6800, 31.7098, -90.9274
Hunter-Lab	47.7218, -19.7608, -16.9633

Details

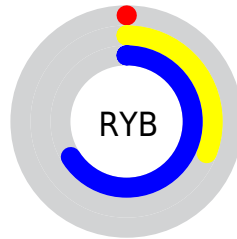
The Yxy color **22.7737, 0.2121, 0.2834** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.9946, 0.6254, 0.3413**, and the grayscale version is **13.7174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9912, 0.2327, 0.2944**, and **9.0897, 0.2075, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **22.7554, 0.2120, 0.2833**, and if you desaturate by 10%, it is **23.6294, 0.2153, 0.2883**.

Distribution



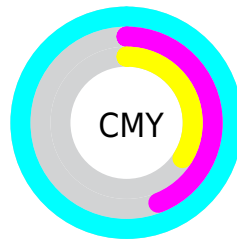
- Red (0%)
- Green (56%)
- Blue (66%)



- Red (0%)
- Yellow (31%)
- Blue (66%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (44%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7737, 0.2121, 0.2834 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 22.7737, 0.2121, 0.2834 by changing the saturation by 10% instead.

■ 22.7737, 0.2121,
0.2834

■ 22.7737, 0.2121,
0.2834

■ 266.5605, 0.2660,
0.3103

■ 14.4265, 0.1976,
0.2751

■ 48.0215, 0.2325,
0.2943

■ 8.4179, 0.1786,
0.2635

■ 65.6908, 0.2399,
0.2980

■ 4.3635, 0.1526,
0.2462

■ 87.2364, 0.2461,
0.3010

■ 1.8789, 0.1162,
0.2184

■ 113.0425, 0.2513,
0.3035

■ 0.5356, 0.0000,
0.1702

■ 143.4936, 0.2558,
0.3056

■ 0.0000, 0.0000,
0.0000

■ 178.9740, 0.2597,

0.3074

219.8682, 0.2631,
0.3089

■ 22.7737, 0.2121,
0.2834

■ 22.7737, 0.2121,
0.2834

■ 22.7554, 0.2120,
0.2833

■ 23.6294, 0.2153,
0.2883

■ 24.6005, 0.2199,
0.2933

■ 25.7267, 0.2264,
0.2983

■ 27.0262, 0.2347,
0.3033

■ 28.5143, 0.2448,
0.3082

■ 30.2045, 0.2565,
0.3129

■ 32.1092, 0.2694,
0.3174

■ 34.2395, 0.2833,
0.3216

■ 36.6059, 0.2980,
0.3255

Harmonies

Analogous

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



22.7737, 0.2310, 0.3356



22.7737, 0.2121, 0.2834



22.7737, 0.2168, 0.2505

Triad

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



22.7737, 0.2121, 0.2834



22.7737, 0.3490, 0.2759



22.7737, 0.3790, 0.4281

Complementary

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



22.7737, 0.2121, 0.2834



8.9946, 0.6254, 0.3413

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.



22.7737, 0.4163, 0.4000



22.7737, 0.2121, 0.2834



22.7737, 0.3999, 0.3144

Square

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



22.7737, 0.2121, 0.2834



22.7737, 0.2914, 0.2494



22.7737, 0.4250, 0.3583



22.7737, 0.3258, 0.4279

Rectangle

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



22.7737, 0.2121, 0.2834



22.7737, 0.2327, 0.2410



22.7737, 0.4250, 0.3583



22.7737, 0.3939, 0.4211

Sweetspot

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



22.7745, 0.2121, 0.2834



57.9859, 0.2683, 0.3170



28.0672, 0.2969, 0.5885



12.3269, 0.2630, 0.3153



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



22.7745, 0.2121, 0.2834



41.0528, 0.2118, 0.2824



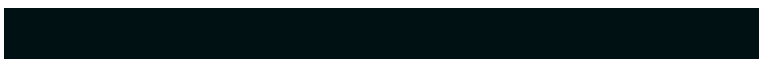
6.2576, 0.1663, 0.1184



8.3462, 0.2987, 0.3257



17.2418, 0.2122, 0.2838



0.4679, 0.2167, 0.3001

Inverse Universe

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



10.3462, 0.3603, 0.1760



18.7330, 0.3612, 0.1764



18.7447, 0.5013, 0.4399



7.6479, 0.3158, 0.3099



7.8116, 0.3600, 0.1757



0.1949, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 22.7737, 0.2121, 0.2834 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 22.7737, 0.2121, 0.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

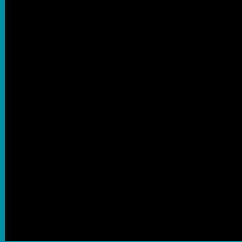
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7737, 0.2121, 0.2834

Background



This preview shows how black text looks on a background with the Yxy color 22.7737, 0.2121, 0.2834.



This preview shows how white text looks on a background with the Yxy color 22.7737, 0.2121, 0.2834.

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

22.7737, 0.2121, 0.2834

Protanopia

22.4542, 0.2782, 0.2797

Deuteranopia

22.7440, 0.2631, 0.2581



Tritanopia

22.6851, 0.2181, 0.3052

Trichromacy



Original Color

22.7737, 0.2121, 0.2834



Protanomaly

21.3211, 0.2375, 0.2772



Deuteranomaly

21.5682, 0.2304, 0.2624



Tritanomaly

22.8240, 0.2161, 0.2978

Monochromacy



Original Color

22.7737, 0.2121, 0.2834



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

15.8842, 0.2483, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7737, 0.2121, 0.2834 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(0, 144, 168)` looks like.

```
.text, #text, p{  
  color:rgb(0, 144, 168)  
}
```

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(0, 144, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 168) }
```

Border

The CSS property to change the border of an element to Yxy 22.7737, 0.2121, 0.2834 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(0, 144, 168) }
```

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

```
.border{ border-color:rgb(0, 144, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7737, 0.2121, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 168) }
```

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

```
.background{ background-color: rgb(0, 144,  
168) }
```

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