

Converting Colors

$Y_{xy}(23.1409, 0.2705, 0.3212)$

Have a look what the booklet for
Yxy(23.1409, 0.2705, 0.3212)
contains.

Yxy(23.2151, 0.2708, 0.3215)	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

$\text{Yxy}(23.2151, 0.2708, 0.3215)$

Conversions

Conversions Part 1

Format	Color
Hex	658B8F
RGB	101, 139, 143
RGB Percent	40%, 55%, 56%
CMY	0.6041, 0.4549, 0.4392
CMYK	0.29, 0.03, 0.00, 0.44
HSL	186°, 17%, 48%
HSV	186°, 29%, 56%
XYZ	19.5541, 23.2151, 29.4395
YIQ	128.0940, -23.9320, -6.8120

Conversions

Conversions Part 2

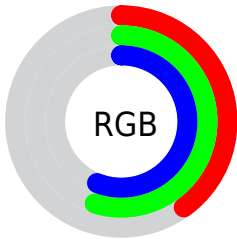
Format	Color
R_{YB}	101, 121, 143
Decimal	6654863
CIE _{Lab}	55.29, -12.13, -6.41
CIE _{LCh}	55, 13.718, 207.843
Yxy	23.2151, 0.2708, 0.3215
Android (android.graphics.Color)	4284844943 (0xFF658B8F)
YUV	128.0940, 7.3487, -23.7614
Hunter-Lab	48.1821, -11.8765, -2.4991

Details

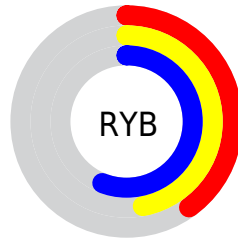
The Yxy color **23.2151, 0.2708, 0.3215** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.8730, 0.3732, 0.3363**, and the grayscale version is **21.5987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9435, 0.2795, 0.3236**, and **8.6651, 0.2552, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **22.0703, 0.2583, 0.3186**, and if you desaturate by 10%, it is **24.5103, 0.2844, 0.3242**.

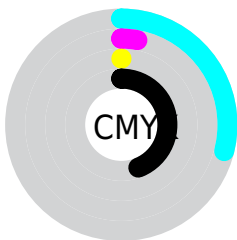
Distribution



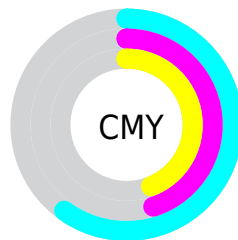
- Red (40%)
- Green (55%)
- Blue (56%)



- Red (40%)
- Yellow (47%)
- Blue (56%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (44%)





- Cyan (60%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2151, 0.2708, 0.3215 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 23.2151, 0.2708, 0.3215 by changing the saturation by 10% instead.


 23.2151, 0.2708,
0.3215


 23.2151, 0.2708,
0.3215


268.8279, 0.2939,
0.3260


 14.7524, 0.2642,
0.3200


 48.7463, 0.2798,
0.3234


 8.6458, 0.2551,
0.3179


 66.5836, 0.2830,
0.3240

 4.5109, 0.2419,
0.3146

 88.3145, 0.2856,
0.3245

 1.9633, 0.2210,
0.3085

 114.3235, 0.2878,
0.3249

 0.5860, 0.1346,
0.3024

144.9949, 0.2897,
0.3252

 0.0000, 0.0000,
0.0000

180.7132, 0.2913,

0.3255

221.8627, 0.2927,
0.3258

■ 23.2151, 0.2708,
0.3215

■ 23.2151, 0.2708,
0.3215

■ 22.0703, 0.2583,
0.3186

■ 24.5103, 0.2844,
0.3242

■ 21.0656, 0.2472,
0.3156

■ 25.9600, 0.2987,
0.3268

■ 20.1939, 0.2377,
0.3124

■ 27.5716, 0.3136,
0.3291

■ 19.4461, 0.2298,
0.3093

■ 29.3513, 0.3288,
0.3313

■ 18.8121, 0.2238,
0.3061

■ 31.3047, 0.3440,
0.3332

■ 18.2800, 0.2196,
0.3029

■ 33.4374, 0.3591,
0.3349

■ 17.8204, 0.2167,
0.2997

■ 35.7547, 0.3739,
0.3364

■ 17.7935, 0.2165,
0.2995

■ 38.2615, 0.3882,
0.3377

■ 40.9628, 0.4019,
0.3388

Harmonies

Analogous

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



23.2151, 0.2854, 0.3443



23.2151, 0.2708, 0.3215



23.2151, 0.2670, 0.3019

Triad

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



23.2151, 0.2708, 0.3215



23.2151, 0.3165, 0.2979



23.2151, 0.3513, 0.3678

Complementary

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



23.2151, 0.2708, 0.3215



16.8730, 0.3732, 0.3363

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.



23.2151, 0.3606, 0.3536



23.2151, 0.2708, 0.3215



23.2151, 0.3401, 0.3139

Square

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



23.2151, 0.2708, 0.3215



23.2151, 0.2927, 0.2894



23.2151, 0.3565, 0.3339



23.2151, 0.3318, 0.3718

Rectangle

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



23.2151, 0.2708, 0.3215



23.2151, 0.2710, 0.2933



23.2151, 0.3565, 0.3339



23.2151, 0.3558, 0.3640

Sweetspot

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



23.2160, 0.2708, 0.3215



46.5436, 0.2990, 0.3268



23.4203, 0.3056, 0.4042



10.5906, 0.2971, 0.3265



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.



23.2160, 0.2708, 0.3215



40.2417, 0.2628, 0.3197



17.8176, 0.2666, 0.2819



6.0299, 0.2990, 0.3268



15.7475, 0.2166, 0.2997



0.1670, 0.2209, 0.3153

Inverse Universe

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



17.0039, 0.3211, 0.2646



27.4256, 0.3233, 0.2508



21.5699, 0.3633, 0.3719



5.5023, 0.3151, 0.3093



6.5760, 0.3457, 0.1678



0.0645, 0.3322, 0.1604

Previews

White Background



This preview shows how the Yxy color 23.2151, 0.2708, 0.3215 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 23.2151, 0.2708, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

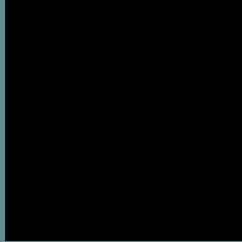
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2151, 0.2708, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 23.2151, 0.2708, 0.3215.



This preview shows how white text looks on a background with the Yxy color 23.2151, 0.2708, 0.3215.

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

23.2151, 0.2708, 0.3215

Protanopia

22.9731, 0.3065, 0.3169

Deuteranopia

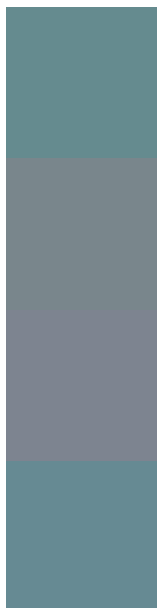
22.9716, 0.3072, 0.3005



Tritanopia

23.1717, 0.2665, 0.3089

Trichromacy



Original Color

23.2151, 0.2708, 0.3215

Protanomaly

23.0086, 0.2925, 0.3183

Deuteranomaly

22.8761, 0.2927, 0.3080

Tritanomaly

23.1083, 0.2682, 0.3124

Monochromacy



Original Color

23.2151, 0.2708, 0.3215

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0475, 0.2961, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2151, 0.2708, 0.3215 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(101, 139, 143)` looks like.

```
.text, #text, p{  
    color:rgb(101, 139, 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(101, 139, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 139, 143) }
```

Border

The CSS property to change the border of an element to Yxy 23.2151, 0.2708, 0.3215 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(101, 139, 143) }
```

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

```
.border{ border-color:rgb(101, 139, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 139, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 139, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 139, 143);  
box-shadow:4px 4px 4px 4px rgb(101, 139,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2151, 0.2708, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 139, 143) }
```

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

```
.background{ background-color: rgb(101,  
139, 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