

Converting Colors

$Y_{xy}(23.2854, 0.2197, 0.2594)$

Have a look what the booklet for
Yxy(23.2854, 0.2197, 0.2594)
contains.

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Color

Yxy(23.3692, 0.2200, 0.2603)

Conversions

Conversions Part 1

Format	Color
Hex	3E8DB4
RGB	62, 141, 180
RGB Percent	24%, 55%, 71%
CMY	0.7568, 0.4471, 0.2941
CMYK	0.66, 0.22, 0.00, 0.29
HSL	200°, 49%, 47%
HSV	200°, 66%, 71%
XYZ	19.7511, 23.3692, 46.6576
YIQ	121.8250, -59.6030, -4.6190

Conversions

Conversions Part 2

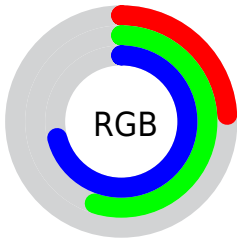
Format	Color
R _Y B	62, 109, 180
Decimal	4099508
CIE Lab	55.45, -11.82, -27.59
CIE LCh	55, 30.017, 246.810
Yxy	23.3692, 0.2200, 0.2603
Android (android.graphics.Color)	4282289588 (0xFF3E8DB4)
YUV	121.8250, 28.6803, -52.4665
Hunter-Lab	48.3417, -11.6676, -23.3853

Details

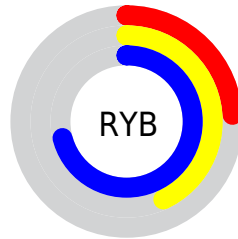
The Yxy color **23.3692, 0.2200, 0.2603** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.3659, 0.4800, 0.3817**, and the grayscale version is **19.3230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1513, 0.2386, 0.2757**, and **9.0145, 0.1992, 0.2372** is the 20% darker color. If you saturate the color by 10%, you get **21.1728, 0.2101, 0.2478**, and if you desaturate by 10%, it is **25.8543, 0.2317, 0.2726**.

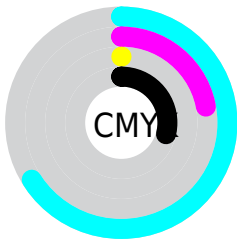
Distribution



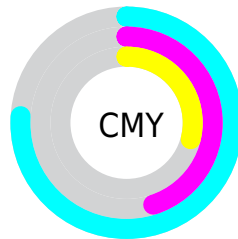
- Red (24%)
- Green (55%)
- Blue (71%)



- Red (24%)
- Yellow (43%)
- Blue (71%)



- Cyan (66%)
- Magenta (22%)
- Yellow (0%)
- Black (29%)



- Cyan (76%)
- Magenta (45%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3692, 0.2200, 0.2603 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 23.3692, 0.2200, 0.2603 by changing the saturation by 10% instead.

■ 23.3692, 0.2200,
0.2603

■ 23.3692, 0.2200,
0.2603

■ 269.6157, 0.2696,
0.2986

■ 14.8664, 0.2067,
0.2494

■ 48.9988, 0.2387,
0.2752

■ 8.7256, 0.1893,
0.2347

■ 66.8944, 0.2456,
0.2805

■ 4.5627, 0.1656,
0.2140

■ 88.6897, 0.2513,
0.2849

■ 1.9930, 0.1323,
0.1830

■ 114.7691, 0.2561,
0.2885

■ 0.6034, 0.0626,
0.1325

■ 145.5170, 0.2602,
0.2916

■ 0.0000, 0.0000,
0.0000

181.3178, 0.2638,

0.2943

222.5559, 0.2669,
0.2966

■ 23.3692, 0.2200,
0.2603

■ 23.3692, 0.2200,
0.2603

■ 21.1728, 0.2101,
0.2478

■ 25.8543, 0.2317,
0.2726

■ 19.2414, 0.2021,
0.2352

■ 28.6443, 0.2448,
0.2844

■ 17.5492, 0.1961,
0.2228

■ 31.7566, 0.2589,
0.2956

■ 16.8486, 0.1937,
0.2174

■ 35.2065, 0.2738,
0.3061

■ 39.0081, 0.2890,
0.3157

■ 43.1746, 0.3043,
0.3245

■ 47.7183, 0.3194,
0.3324

■ 52.6509, 0.3341,
0.3395

■ 57.9837, 0.3483,
0.3458

Harmonies

Analogous

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



23.3692, 0.2201, 0.2955



23.3692, 0.2200, 0.2603



23.3692, 0.2417, 0.2457

Triad

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



23.3692, 0.2200, 0.2603



23.3692, 0.3857, 0.3076



23.3692, 0.3360, 0.4235

Complementary

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



23.3692, 0.2200, 0.2603



19.3659, 0.4800, 0.3817

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.



23.3692, 0.3837, 0.4180



23.3692, 0.2200, 0.2603



23.3692, 0.4151, 0.3486

Square

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



23.3692, 0.2200, 0.2603



23.3692, 0.3357, 0.2730



23.3692, 0.4136, 0.3887



23.3692, 0.2844, 0.3966

Rectangle

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



23.3692, 0.2200, 0.2603



23.3692, 0.2673, 0.2471



23.3692, 0.4136, 0.3887



23.3692, 0.3531, 0.4251

Sweetspot

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



23.3700, 0.2200, 0.2603



67.3341, 0.2817, 0.3112



34.5815, 0.2833, 0.4760



14.1460, 0.2775, 0.3085



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.3700, 0.2200, 0.2603



36.6456, 0.2060, 0.2417



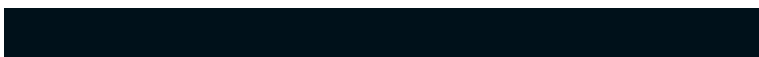
10.6062, 0.1952, 0.1548



9.1486, 0.2986, 0.3213



11.8840, 0.1941, 0.2189



0.4754, 0.2037, 0.2532

Inverse Universe

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



15.0748, 0.3773, 0.2243



22.8427, 0.3982, 0.2125



34.6372, 0.4199, 0.4547



8.5980, 0.3186, 0.3139



7.7398, 0.4245, 0.2112



0.2538, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 23.3692, 0.2200, 0.2603 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 23.3692, 0.2200, 0.2603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

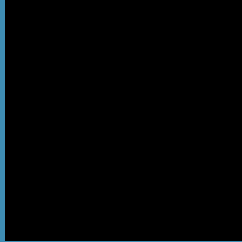
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3692, 0.2200, 0.2603

Background



This preview shows how black text looks on a background with the Yxy color 23.3692, 0.2200, 0.2603.



This preview shows how white text looks on a background with the Yxy color 23.3692, 0.2200, 0.2603.

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

23.3692, 0.2200, 0.2603

Protanopia

23.2761, 0.2634, 0.2615

Deuteranopia

23.0557, 0.2510, 0.2449



Tritanopia

23.3381, 0.2291, 0.3059

Trichromacy



Original Color

23.3692, 0.2200, 0.2603

Protanomaly

23.1324, 0.2442, 0.2609

Deuteranomaly

22.8732, 0.2369, 0.2498

Tritanomaly

23.4474, 0.2261, 0.2899

Monochromacy



Original Color

23.3692, 0.2200, 0.2603

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.3930, 0.2679, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3692, 0.2200, 0.2603 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(62, 141, 180)` looks like.

```
.text, #text, p{  
    color:rgb(62, 141, 180)  
}
```

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(62, 141, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 141, 180) }
```

Border

The CSS property to change the border of an element to Yxy 23.3692, 0.2200, 0.2603 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(62, 141, 180) }
```

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

```
.border{ border-color:rgb(62, 141, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 141, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 141, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 141, 180);  
box-shadow:4px 4px 4px 4px rgb(62, 141,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3692, 0.2200, 0.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 141, 180) }
```

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

```
.background{ background-color: rgb(62, 141,  
180) }
```

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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