

Converting Colors

$Y_{xy}(23.7631, 0.2089, 0.2331)$

Have a look what the booklet for
Yxy(23.7631, 0.2089, 0.2331)
contains.

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Color

$Y_{xy}(23.7032, 0.2087, 0.2327)$

Conversions

Conversions Part 1

Format	Color
Hex	398CC6
RGB	57, 140, 198
RGB Percent	22%, 55%, 78%
CMY	0.7767, 0.4510, 0.2234
CMYK	0.71, 0.29, 0.00, 0.22
HSL	205°, 55%, 50%
HSV	205°, 71%, 78%
XYZ	21.2585, 23.7032, 56.8999
YIQ	121.7950, -68.0860, 0.4420

Conversions

Conversions Part 2

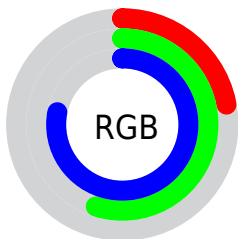
Format	Color
RYB	57, 109, 198
Decimal	3771590
CIELab	55.79, -5.93, -37.32
CIELCh	56, 37.788, 260.971
Yxy	23.7032, 0.2087, 0.2327
Android (android.graphics.Color)	4281961670 (0xFF398CC6)
YUV	121.7950, 37.5691, -56.8252
Hunter-Lab	48.6859, -7.2591, -35.2129

Details

The Yxy color **23.7032, 0.2087, 0.2327** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **24.5599, 0.4886, 0.3978**, and the grayscale version is **19.2797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3530, 0.2289, 0.2518**, and **9.3259, 0.1900, 0.2039** is the 20% darker color. If you saturate the color by 10%, you get **20.9388, 0.1987, 0.2167**, and if you desaturate by 10%, it is **26.8723, 0.2206, 0.2486**.

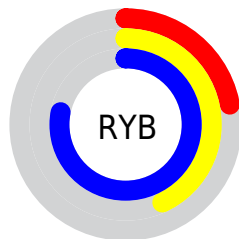
Distribution



Red (22%)

Green (55%)

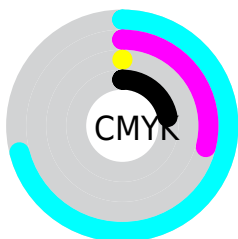
Blue (78%)



Red (22%)

Yellow (43%)

Blue (78%)

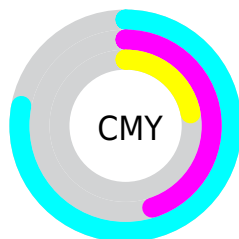


Cyan (71%)

Magenta (29%)

Yellow (0%)

Black (22%)



Cyan (78%)

Magenta (45%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7032, 0.2087, 0.2327 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 23.7032, 0.2087, 0.2327 by changing the saturation by 10% instead.

■ 23.7032, 0.2087,
0.2327

■ 23.7032, 0.2087,
0.2327

271.3165, 0.2637,
0.2846

■ 15.1136, 0.1944,
0.2189

■ 49.5454, 0.2292,
0.2523

■ 8.8992, 0.1760,
0.2008

■ 67.5669, 0.2367,
0.2595

■ 4.6755, 0.1517,
0.1764

■ 89.5010, 0.2431,
0.2654

■ 2.0581, 0.1188,
0.1428

■ 115.7323, 0.2485,
0.2705

■ 0.6409, 0.0681,
0.0940

■ 146.6451, 0.2531,
0.2748

■ 0.0000, 0.0000,
0.0000

182.6238, 0.2571,

0.2785

224.0528, 0.2606,
0.2818

■ 23.7032, 0.2087,
0.2327

■ 23.7032, 0.2087,
0.2327

■ 20.9388, 0.1987,
0.2167

■ 26.8723, 0.2206,
0.2486

■ 18.5446, 0.1909,
0.2010

■ 30.4708, 0.2341,
0.2641

■ 16.7045, 0.1855,
0.1877

■ 34.5238, 0.2488,
0.2788

■ 39.0533, 0.2641,
0.2927

■ 44.0796, 0.2798,
0.3055

■ 49.6214, 0.2955,
0.3172

■ 55.6966, 0.3108,
0.3278

■ 62.3219, 0.3257,
0.3372

■ 69.5132, 0.3400,
0.3456

Harmonies

Analogous

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



23.7032, 0.1963, 0.2625



23.7032, 0.2087, 0.2327



23.7032, 0.2461, 0.2277

Triad

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



23.7032, 0.2087, 0.2327



23.7032, 0.4262, 0.3243



23.7032, 0.3093, 0.4389

Complementary

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



23.7032, 0.2087, 0.2327



24.5599, 0.4886, 0.3978

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.



23.7032, 0.3729, 0.4486



23.7032, 0.2087, 0.2327



23.7032, 0.4445, 0.3745

Square

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



23.7032, 0.2087, 0.2327



23.7032, 0.3725, 0.2785



23.7032, 0.4233, 0.4207



23.7032, 0.2499, 0.3867

Rectangle

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



23.7032, 0.2087, 0.2327



23.7032, 0.2834, 0.2366



23.7032, 0.4233, 0.4207



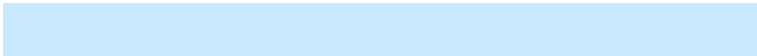
23.7032, 0.3309, 0.4472

Sweetspot

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



23.7040, 0.2087, 0.2327



77.9639, 0.2797, 0.3054



42.4719, 0.2766, 0.4720



16.1347, 0.2753, 0.3020



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.7040, 0.2087, 0.2327



34.8558, 0.1945, 0.2088



9.4598, 0.1810, 0.1211



11.3078, 0.2983, 0.3193



11.0314, 0.1860, 0.1897



0.6625, 0.1949, 0.2218

Inverse Universe

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



16.8242, 0.4050, 0.2310



25.4100, 0.4336, 0.2258



46.5541, 0.4183, 0.4731



10.7399, 0.3199, 0.3155



8.6536, 0.4571, 0.2292



0.4239, 0.4213, 0.2095

Previews

White Background



This preview shows how the Yxy color 23.7032, 0.2087, 0.2327 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 23.7032, 0.2087, 0.2327 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 23.7032, 0.2087, 0.2327

Background



This preview shows how black text looks on a background with the Yxy color 23.7032, 0.2087, 0.2327.



This preview shows how white text looks on a background with the Yxy color 23.7032, 0.2087, 0.2327.

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

23.7032, 0.2087, 0.2327

Protanopia

23.5716, 0.2432, 0.2344

Deuteranopia

23.4974, 0.2288, 0.2226



Tritanopia

23.5528, 0.2212, 0.3057

Trichromacy



Original Color

23.7032, 0.2087, 0.2327

Protanomaly

23.2724, 0.2269, 0.2318

Deuteranomaly

23.4299, 0.2202, 0.2262

Tritanomaly

23.3210, 0.2152, 0.2756

Monochromacy



Original Color

23.7032, 0.2087, 0.2327

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.4992, 0.2600, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7032, 0.2087, 0.2327 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(57, 140, 198)` looks like.

```
.text, #text, p{  
    color:rgb(57, 140, 198)  
}
```

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(57, 140, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 140, 198) }
```

Border

The CSS property to change the border of an element to Yxy 23.7032, 0.2087, 0.2327 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(57, 140, 198) }
```

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

```
.border{ border-color:rgb(57, 140, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 140, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 140, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 140, 198);  
box-shadow:4px 4px 4px 4px rgb(57, 140,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7032, 0.2087, 0.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 140, 198) }
```

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

```
.background{ background-color: rgb(57, 140,  
198) }
```

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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