

Converting Colors

$Y_{xy}(23.3746, 0.2212, 0.2778)$

Have a look what the booklet for
Yxy(23.3746, 0.2212, 0.2778)
contains.

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Color

Yxy(23.2890, 0.2210, 0.2777)

Conversions

Conversions Part 1

Format	Color
Hex	338FAB
RGB	51, 143, 171
RGB Percent	20%, 56%, 67%
CMY	0.8004, 0.4392, 0.3295
CMYK	0.70, 0.16, 0.00, 0.33
HSL	194°, 54%, 44%
HSV	194°, 70%, 67%
XYZ	18.5339, 23.2890, 42.0410
YIQ	118.6840, -63.8200, -10.7960

Conversions

Conversions Part 2

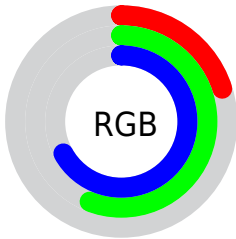
Format	Color
RYP	51, 103, 171
Decimal	3379115
CIELab	55.37, -17.68, -22.59
CIElCh	55, 28.683, 231.945
Yxy	23.2890, 0.2210, 0.2777
Android (android.graphics.Color)	4281569195 (0xFF338FAB)
YUV	118.6840, 25.7918, -59.3589
Hunter-Lab	48.2587, -15.8991, -17.8699

Details

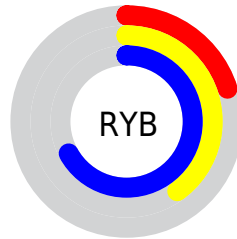
The Yxy color **23.2890, 0.2210, 0.2777** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.4709, 0.5108, 0.3664**, and the grayscale version is **18.2679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9342, 0.2401, 0.2901**, and **9.1606, 0.2055, 0.2599** is the 20% darker color. If you saturate the color by 10%, you get **21.7501, 0.2134, 0.2692**, and if you desaturate by 10%, it is **25.0353, 0.2305, 0.2861**.

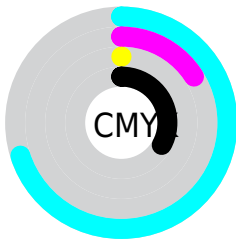
Distribution



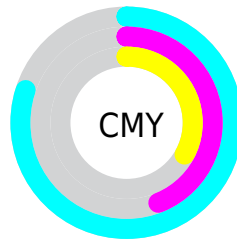
- Red (20%)
- Green (56%)
- Blue (67%)



- Red (20%)
- Yellow (40%)
- Blue (67%)



- Cyan (70%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2890, 0.2210, 0.2777 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 23.2890, 0.2210, 0.2777 by changing the saturation by 10% instead.

■ 23.2890, 0.2210,
0.2777

■ 23.2890, 0.2210,
0.2777

269.2059, 0.2702,
0.3071

■ 14.8070, 0.2077,
0.2690

■ 48.8674, 0.2396,
0.2894

■ 8.6841, 0.1902,
0.2569

■ 66.7327, 0.2464,
0.2935

■ 4.5357, 0.1662,
0.2392

■ 88.4945, 0.2521,
0.2968

■ 1.9775, 0.1321,
0.2116

■ 114.5373, 0.2568,
0.2996

■ 0.5944, 0.0372,
0.1658

■ 145.2454, 0.2609,
0.3019

■ 0.0000, 0.0000,
0.0000

181.0033, 0.2644,

0.3039

222.1953, 0.2675,
0.3056

■ 23.2890, 0.2210,
0.2777

■ 23.2890, 0.2210,
0.2777

■ 21.7501, 0.2134,
0.2692

■ 25.0353, 0.2305,
0.2861

■ 20.3966, 0.2076,
0.2607

■ 27.0030, 0.2417,
0.2943

■ 19.2128, 0.2035,
0.2524

■ 29.2074, 0.2542,
0.3022

■ 31.6619, 0.2679,
0.3097

■ 34.3783, 0.2823,
0.3166

■ 37.3680, 0.2973,
0.3230

■ 40.6413, 0.3124,
0.3289

■ 44.2082, 0.3274,
0.3341

■ 48.0780, 0.3423,
0.3388

Harmonies

Analogous

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



23.2890, 0.2320, 0.3202



23.2890, 0.2210, 0.2777



23.2890, 0.2317, 0.2536

Triad

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



23.2890, 0.2210, 0.2777



23.2890, 0.3603, 0.2909



23.2890, 0.3592, 0.4204

Complementary

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



23.2890, 0.2210, 0.2777



14.4709, 0.5108, 0.3664

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.



23.2890, 0.3979, 0.4026



23.2890, 0.2210, 0.2777



23.2890, 0.4000, 0.3282

Square

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



23.2890, 0.2210, 0.2777



23.2890, 0.3090, 0.2629



23.2890, 0.4137, 0.3681



23.2890, 0.3099, 0.4099

Rectangle

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



23.2890, 0.2210, 0.2777



23.2890, 0.2502, 0.2486



23.2890, 0.4137, 0.3681



23.2890, 0.3740, 0.4171

Sweetspot

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



23.2898, 0.2210, 0.2777



60.9962, 0.2806, 0.3159



30.3583, 0.2897, 0.5096



13.3051, 0.2767, 0.3140



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.2898, 0.2210, 0.2777



37.6442, 0.2101, 0.2647



10.1278, 0.1930, 0.1635



8.7509, 0.2986, 0.3236



14.5684, 0.2037, 0.2533



0.4815, 0.2108, 0.2788

Inverse Universe

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



13.0002, 0.3627, 0.2056



19.9690, 0.3768, 0.1941



26.7771, 0.4388, 0.4462



8.1157, 0.3172, 0.3118



7.7737, 0.3890, 0.1917



0.2240, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 23.2890, 0.2210, 0.2777 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 23.2890, 0.2210, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

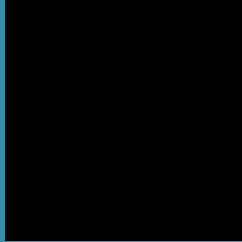
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2890, 0.2210, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 23.2890, 0.2210, 0.2777.



This preview shows how white text looks on a background with the Yxy color 23.2890, 0.2210, 0.2777.

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

23.2890, 0.2210, 0.2777

Protanopia

22.8590, 0.2747, 0.2752

Deuteranopia

23.1588, 0.2625, 0.2571



Tritanopia

23.1774, 0.2264, 0.3057

Trichromacy



Original Color

23.2890, 0.2210, 0.2777

Protanomaly

22.5859, 0.2490, 0.2759

Deuteranomaly

22.8319, 0.2426, 0.2634

Tritanomaly

23.1130, 0.2242, 0.2948

Monochromacy



Original Color

23.2890, 0.2210, 0.2777

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.6530, 0.2664, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2890, 0.2210, 0.2777 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(51, 143, 171)` looks like.

```
.text, #text, p{  
    color:rgb(51, 143, 171)  
}
```

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(51, 143, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 143, 171) }
```

Border

The CSS property to change the border of an element to Yxy 23.2890, 0.2210, 0.2777 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(51, 143, 171) }
```

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

```
.border{ border-color:rgb(51, 143, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 143, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 143, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 143, 171);  
box-shadow:4px 4px 4px 4px rgb(51, 143,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2890, 0.2210, 0.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 143, 171) }
```

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

```
.background{ background-color: rgb(51, 143,  
171) }
```

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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