

Converting Colors

$Y_{xy}(23.4412, 0.2247, 0.2713)$

Have a look what the booklet for
Yxy(23.4412, 0.2247, 0.2713)
contains.

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Color

$Y_{xy}(23.4920, 0.2247, 0.2717)$

Conversions

Conversions Part 1

Format	Color
Hex	408EAE
RGB	64, 142, 174
RGB Percent	25%, 56%, 68%
CMY	0.7488, 0.4431, 0.3177
CMYK	0.63, 0.18, 0.00, 0.32
HSL	197°, 46%, 47%
HSV	197°, 63%, 68%
XYZ	19.4282, 23.4920, 43.5428
YIQ	122.3260, -56.7600, -6.5840

Conversions

Conversions Part 2

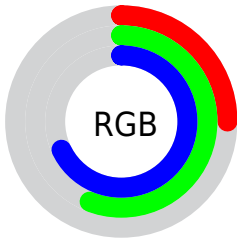
Format	Color
R _Y B	64, 110, 174
Decimal	4230830
CIE Lab	55.58, -13.98, -23.94
CIE LCh	56, 27.727, 239.718
Yxy	23.4920, 0.2247, 0.2717
Android (android.graphics.Color)	4282420910 (0xFF408EAE)
YUV	122.3260, 25.4753, -51.1519
Hunter-Lab	48.4685, -13.2696, -19.3365

Details

The Yxy color **23.4920, 0.2247, 0.2717** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.7402, 0.4760, 0.3743**, and the grayscale version is **19.5084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3306, 0.2423, 0.2842**, and **9.0348, 0.2035, 0.2526** is the 20% darker color. If you saturate the color by 10%, you get **21.5250, 0.2149, 0.2609**, and if you desaturate by 10%, it is **25.7111, 0.2362, 0.2823**.

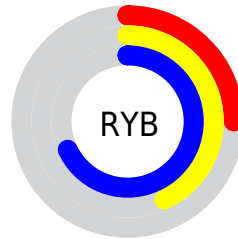
Distribution



Red (25%)

Green (56%)

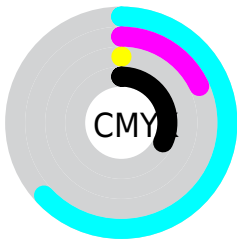
Blue (68%)



Red (25%)

Yellow (43%)

Blue (68%)

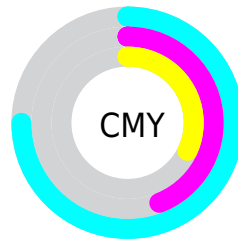


Cyan (63%)

Magenta (18%)

Yellow (0%)

Black (32%)



Cyan (75%)

Magenta (44%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4920, 0.2247, 0.2717 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 23.4920, 0.2247, 0.2717 by changing the saturation by 10% instead.

■ 23.4920, 0.2247,
0.2717

■ 23.4920, 0.2247,
0.2717

■ 270.2420, 0.2719,
0.3041

■ 14.9572, 0.2120,
0.2623

■ 49.1999, 0.2426,
0.2844

■ 8.7894, 0.1951,
0.2495

■ 67.1419, 0.2491,
0.2889

■ 4.6040, 0.1720,
0.2310

■ 88.9883, 0.2545,
0.2926

■ 2.0169, 0.1391,
0.2026

■ 115.1237, 0.2591,
0.2956

■ 0.6172, 0.0617,
0.1553

■ 145.9323, 0.2630,
0.2982

■ 0.0000, 0.0000,
0.0000

181.7987, 0.2664,

0.3005

223.1071, 0.2693,
0.3024

■ 23.4920, 0.2247,
0.2717

■ 23.4920, 0.2247,
0.2717

■ 21.5250, 0.2149,
0.2609

■ 25.7111, 0.2362,
0.2823

■ 19.7890, 0.2070,
0.2500

■ 28.1959, 0.2491,
0.2924

■ 18.2630, 0.2010,
0.2392

■ 30.9619, 0.2630,
0.3020

■ 17.3107, 0.1977,
0.2318

■ 34.0223, 0.2777,
0.3110

■ 37.3894, 0.2927,
0.3192

■ 41.0750, 0.3079,
0.3268

■ 45.0897, 0.3230,
0.3335

■ 49.4438, 0.3377,
0.3396

■ 54.1473, 0.3519,
0.3450

Harmonies

Analogous

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



23.4920, 0.2299, 0.3087



23.4920, 0.2247, 0.2717



23.4920, 0.2404, 0.2532

Triad

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



23.4920, 0.2247, 0.2717



23.4920, 0.3703, 0.3009



23.4920, 0.3459, 0.4172

Complementary

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



23.4920, 0.2247, 0.2717



17.7402, 0.4760, 0.3743

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.



23.4920, 0.3870, 0.4066



23.4920, 0.2247, 0.2717



23.4920, 0.4030, 0.3384

Square

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



23.4920, 0.2247, 0.2717



23.4920, 0.3222, 0.2709



23.4920, 0.4088, 0.3765



23.4920, 0.2978, 0.3992

Rectangle

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



23.4920, 0.2247, 0.2717



23.4920, 0.2615, 0.2515



23.4920, 0.4088, 0.3765



23.4920, 0.3610, 0.4166

Sweetspot

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



23.4929, 0.2247, 0.2717



64.0108, 0.2834, 0.3143



32.1854, 0.2860, 0.4763



13.8545, 0.2792, 0.3119



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.4929, 0.2247, 0.2717



37.6934, 0.2114, 0.2563



11.1065, 0.2011, 0.1687



8.6724, 0.2986, 0.3223



12.6650, 0.1981, 0.2330



0.4404, 0.2071, 0.2655

Inverse Universe

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



14.6229, 0.3666, 0.2218



22.1700, 0.3835, 0.2078



31.2315, 0.4194, 0.4469



8.1077, 0.3180, 0.3131



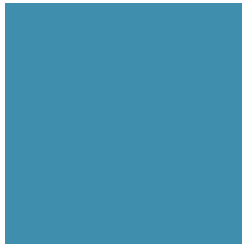
7.5816, 0.4095, 0.2029



0.2198, 0.3771, 0.1851

Previews

White Background



This preview shows how the Yxy color 23.4920, 0.2247, 0.2717 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 23.4920, 0.2247, 0.2717 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 23.4920, 0.2247, 0.2717

Background



This preview shows how black text looks on a background with the Yxy color 23.4920, 0.2247, 0.2717.

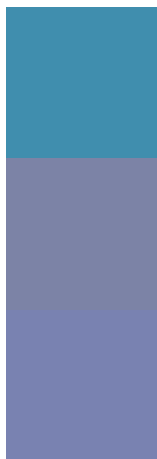


This preview shows how white text looks on a background with the Yxy color 23.4920, 0.2247, 0.2717.

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

23.4920, 0.2247, 0.2717

Protanopia

23.2709, 0.2713, 0.2708

Deuteranopia

23.2045, 0.2592, 0.2527



Tritanopia

23.5259, 0.2321, 0.3061

Trichromacy



Original Color

23.4920, 0.2247, 0.2717

Protanomaly

23.0173, 0.2501, 0.2702

Deuteranomaly

22.8941, 0.2433, 0.2576

Tritanomaly

23.5207, 0.2295, 0.2935

Monochromacy



Original Color

23.4920, 0.2247, 0.2717

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.3903, 0.2706, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4920, 0.2247, 0.2717 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(64, 142, 174)` looks like.

```
.text, #text, p{  
    color:rgb(64, 142, 174)  
}
```

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(64, 142, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 142, 174) }
```

Border

The CSS property to change the border of an element to Yxy 23.4920, 0.2247, 0.2717 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(64, 142, 174) }
```

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

```
.border{ border-color:rgb(64, 142, 174) }
```

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

Here you see how a box with a 4 pixel rgb(64, 142, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 142, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 142, 174);  
box-shadow:4px 4px 4px 4px rgb(64, 142,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4920, 0.2247, 0.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 142, 174) }
```

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

```
.background{ background-color: rgb(64, 142,  
174) }
```

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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