

Converting Colors

$Y_{xy}(23.7252, 0.2439, 0.3030)$

Have a look what the booklet for
Yxy(23.7252, 0.2439, 0.3030)
contains.

Yxy(23.7415, 0.2442, 0.3030)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7415, 0.2442, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	4F8F9D
RGB	79, 143, 157
RGB Percent	31%, 56%, 62%
CMY	0.6901, 0.4392, 0.3843
CMYK	0.50, 0.09, 0.00, 0.38
HSL	191°, 33%, 46%
HSV	191°, 50%, 62%
XYZ	19.1342, 23.7415, 35.4790
YIQ	125.4600, -42.6380, -9.2140

Conversions

Conversions Part 2

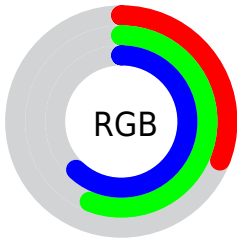
Format	Color
R_{YB}	79, 114, 157
Decimal	5214109
CIE _{Lab}	55.83, -16.56, -13.78
CIE _{LCh}	56, 21.549, 219.769
Yxy	23.7415, 0.2442, 0.3030
Android (android.graphics.Color)	4283404189 (0xFF4F8F9D)
YUV	125.4600, 15.5492, -40.7454
Hunter-Lab	48.7253, -15.1728, -9.0640

Details

The Yxy color $23.7415, 0.2442, 0.3030$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $15.5680, 0.4353, 0.3523$, and the grayscale version is $20.6302, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.6725, 0.2581, 0.3088$, and $9.0078, 0.2202, 0.2924$ is the 20% darker color. If you saturate the color by 10%, you get $22.3101, 0.2337, 0.2968$, and if you desaturate by 10%, it is $25.3550, 0.2562, 0.3089$.

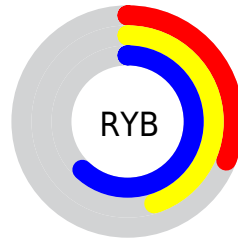
Distribution



Red (31%)

Green (56%)

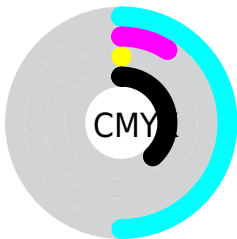
Blue (62%)



Red (31%)

Yellow (45%)

Blue (62%)

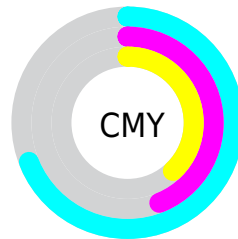


Cyan (50%)

Magenta (9%)

Yellow (0%)

Black (38%)



Cyan (69%)

Magenta (44%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7415, 0.2442, 0.3030 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 23.7415, 0.2442, 0.3030 by changing the saturation by 10% instead.

■ 23.7415, 0.2442,
0.3030

■ 23.7415, 0.2442,
0.3030

■ 271.5110, 0.2814,
0.3182

■ 15.1420, 0.2339,
0.2983

■ 49.6080, 0.2585,
0.3091

■ 8.9191, 0.2200,
0.2916

■ 67.6438, 0.2636,
0.3113

■ 4.6884, 0.2004,
0.2815

■ 89.5939, 0.2678,
0.3130

■ 2.0656, 0.1710,
0.2646

■ 115.8425, 0.2714,
0.3144

■ 0.6452, 0.0772,
0.2386

■ 146.7741, 0.2745,
0.3156

■ 0.0000, 0.0000,
0.0000

182.7731, 0.2771,

0.3166

224.2240, 0.2794,
0.3174

■ 23.7415, 0.2442,
0.3030

■ 23.7415, 0.2442,
0.3030

■ 22.3101, 0.2337,
0.2968

■ 25.3550, 0.2562,
0.3089

■ 21.0467, 0.2248,
0.2905

■ 27.1584, 0.2694,
0.3146

■ 19.9390, 0.2178,
0.2842

■ 29.1621, 0.2835,
0.3198

■ 18.9719, 0.2126,
0.2778

■ 31.3750, 0.2982,
0.3247

■ 18.1103, 0.2088,
0.2715

■ 33.8053, 0.3132,
0.3291

■ 18.0833, 0.2087,
0.2713

■ 36.4609, 0.3283,
0.3332

■ 39.3492, 0.3433,
0.3368

■ 42.4772, 0.3579,
0.3400

■ 45.8516, 0.3721,
0.3428

Harmonies

Analogous

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



23.7415, 0.2598, 0.3383



23.7415, 0.2442, 0.3030



23.7415, 0.2456, 0.2780

Triad

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



23.7415, 0.2442, 0.3030



23.7415, 0.3334, 0.2901



23.7415, 0.3616, 0.3943

Complementary

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



23.7415, 0.2442, 0.3030



15.5680, 0.4353, 0.3523

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.



23.7415, 0.3839, 0.3761



23.7415, 0.2442, 0.3030



23.7415, 0.3676, 0.3170

Square

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



23.7415, 0.2442, 0.3030



23.7415, 0.2951, 0.2725



23.7415, 0.3865, 0.3478



23.7415, 0.3268, 0.3942

Rectangle

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



23.7415, 0.2442, 0.3030



23.7415, 0.2559, 0.2694



23.7415, 0.3865, 0.3478



23.7415, 0.3709, 0.3899

Sweetspot

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



23.7424, 0.2442, 0.3030



53.9074, 0.2899, 0.3220



26.5550, 0.2962, 0.4569



11.6947, 0.2870, 0.3210



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.7424, 0.2442, 0.3030



39.5940, 0.2322, 0.2959



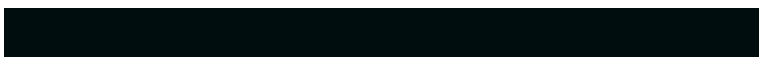
14.2035, 0.2300, 0.2274



7.3066, 0.2988, 0.3249



14.7325, 0.2088, 0.2718



0.3118, 0.2158, 0.2970

Inverse Universe

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



14.7465, 0.3379, 0.2301



22.1895, 0.3455, 0.2110



23.9709, 0.4027, 0.4119



6.7341, 0.3163, 0.3108



7.1095, 0.3711, 0.1818



0.1320, 0.3481, 0.1691

Previews

White Background



This preview shows how the Yxy color 23.7415, 0.2442, 0.3030 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 23.7415, 0.2442, 0.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

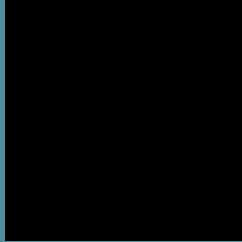
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7415, 0.2442, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 23.7415, 0.2442, 0.3030.



This preview shows how white text looks on a background with the Yxy color 23.7415, 0.2442, 0.3030.

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

23.7415, 0.2442, 0.3030

Protanopia

23.4504, 0.2922, 0.2984

Deuteranopia

23.4899, 0.2857, 0.2796



Tritanopia

23.6312, 0.2449, 0.3065

Trichromacy



Original Color

23.7415, 0.2442, 0.3030

Protanomaly

23.2877, 0.2709, 0.2989

Deuteranomaly

23.3419, 0.2675, 0.2873

Tritanomaly

23.6649, 0.2442, 0.3048

Monochromacy



Original Color

23.7415, 0.2442, 0.3030

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4968, 0.2817, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7415, 0.2442, 0.3030 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(79, 143, 157)` looks like.

```
.text, #text, p{  
    color:rgb(79, 143, 157)  
}
```

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(79, 143, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 143, 157) }
```

Border

The CSS property to change the border of an element to Yxy 23.7415, 0.2442, 0.3030 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(79, 143, 157) }
```

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

```
.border{ border-color:rgb(79, 143, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 143, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 143, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 143, 157);  
box-shadow:4px 4px 4px 4px rgb(79, 143,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7415, 0.2442, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 143, 157) }
```

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

```
.background{ background-color: rgb(79, 143,  
157) }
```

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