

Converting Colors

$Yxy(23.9564, 0.2119, 0.2317)$

Have a look what the booklet for
Yxy(23.9564, 0.2119, 0.2317)
contains.

Yxy(24.0379, 0.2119, 0.2323)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.0379, 0.2119, 0.2323)

Conversions

Conversions Part 1

Format	Color
Hex	428CC7
RGB	66, 140, 199
RGB Percent	26%, 55%, 78%
CMY	0.7416, 0.4509, 0.2196
CMYK	0.67, 0.30, 0.00, 0.22
HSL	207°, 54%, 52%
HSV	207°, 67%, 78%
XYZ	21.9270, 24.0379, 57.5130
YIQ	124.6000, -63.0430, 2.6610

Conversions

Conversions Part 2

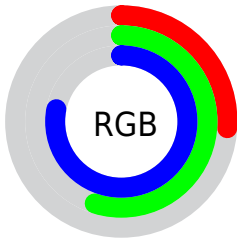
Format	Color
R _Y B	66, 114, 199
Decimal	4361415
CIE Lab	56.13, -4.23, -37.32
CIE LCh	56, 37.555, 263.530
Yxy	24.0379, 0.2119, 0.2323
Android (android.graphics.Color)	4282551495 (0xFF428CC7)
YUV	124.6000, 36.6792, -51.3922
Hunter-Lab	49.0285, -5.9694, -35.2304

Details

The Yxy color **24.0379, 0.2119, 0.2323** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **27.1660, 0.4703, 0.4012**, and the grayscale version is **20.2487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8720, 0.2322, 0.2524**, and **9.3567, 0.1895, 0.2023** is the 20% darker color. If you saturate the color by 10%, you get **20.9902, 0.2006, 0.2150**, and if you desaturate by 10%, it is **27.5340, 0.2250, 0.2494**.

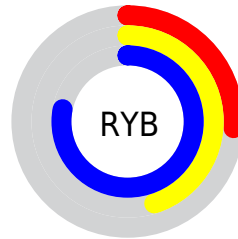
Distribution



Red (26%)

Green (55%)

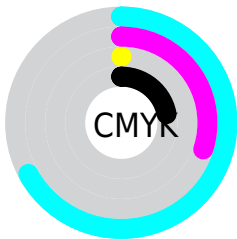
Blue (78%)



Red (26%)

Yellow (45%)

Blue (78%)

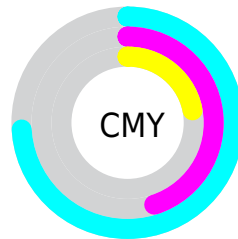


Cyan (67%)

Magenta (30%)

Yellow (0%)

Black (22%)



Cyan (74%)

Magenta (45%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0379, 0.2119, 0.2323 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 24.0379, 0.2119, 0.2323 by changing the saturation by 10% instead.

■ 24.0379, 0.2119,
0.2323

■ 24.0379, 0.2119,
0.2323

273.0120, 0.2652,
0.2842

■ 15.3617, 0.1980,
0.2186

■ 50.0920, 0.2318,
0.2518

■ 9.0737, 0.1801,
0.2006

■ 68.2388, 0.2391,
0.2590

■ 4.7893, 0.1564,
0.1766

■ 90.3112, 0.2452,
0.2649

■ 2.1241, 0.1242,
0.1435

■ 116.6937, 0.2505,
0.2700

■ 0.6782, 0.0766,
0.0959

■ 147.7706, 0.2549,
0.2743

■ 0.0000, 0.0000,
0.0000

183.9264, 0.2588,

0.2780

225.5454, 0.2622,
0.2813

■ 24.0379, 0.2119,
0.2323

■ 24.0379, 0.2119,
0.2323

■ 20.9902, 0.2006,
0.2150

■ 27.5340, 0.2250,
0.2494

■ 18.3574, 0.1913,
0.1979

■ 31.5030, 0.2395,
0.2658

■ 16.1002, 0.1843,
0.1815

■ 35.9703, 0.2549,
0.2815

■ 15.4539, 0.1824,
0.1764

■ 40.9581, 0.2707,
0.2960

■ 46.4872, 0.2866,
0.3093

■ 52.5769, 0.3022,
0.3214

■ 59.2456, 0.3174,
0.3322

■ 66.5107, 0.3319,
0.3419

■ 74.3886, 0.3457,
0.3504

Harmonies

Analogous

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



24.0379, 0.1974, 0.2597



24.0379, 0.2119, 0.2323



24.0379, 0.2510, 0.2293

Triad

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



24.0379, 0.2119, 0.2323



24.0379, 0.4280, 0.3286



24.0379, 0.3040, 0.4346

Complementary

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



24.0379, 0.2119, 0.2323



27.1660, 0.4703, 0.4012

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.



24.0379, 0.3673, 0.4482



24.0379, 0.2119, 0.2323



24.0379, 0.4428, 0.3784

Square

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



24.0379, 0.2119, 0.2323



24.0379, 0.3773, 0.2825



24.0379, 0.4189, 0.4232



24.0379, 0.2463, 0.3804

Rectangle

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



24.0379, 0.2119, 0.2323



24.0379, 0.2890, 0.2392



24.0379, 0.4189, 0.4232



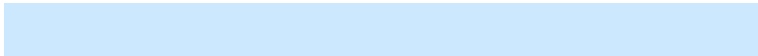
24.0379, 0.3253, 0.4442

Sweetspot

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



24.0387, 0.2119, 0.2323



77.9978, 0.2812, 0.3049



43.4428, 0.2747, 0.4542



16.1028, 0.2766, 0.3011



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.



24.0387, 0.2119, 0.2323



34.6944, 0.1963, 0.2077



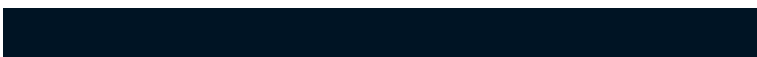
10.2772, 0.1868, 0.1276



11.2507, 0.2983, 0.3185



10.1149, 0.1830, 0.1786



0.6217, 0.1925, 0.2130

Inverse Universe

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



17.9184, 0.4040, 0.2395



26.3302, 0.4336, 0.2322



49.4124, 0.4101, 0.4715



10.7342, 0.3204, 0.3162



8.5611, 0.4702, 0.2364



0.4198, 0.4308, 0.2147

Previews

White Background



This preview shows how the Yxy color 24.0379, 0.2119, 0.2323 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 24.0379, 0.2119, 0.2323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

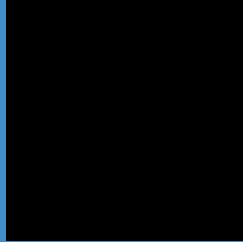
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0379, 0.2119, 0.2323

Background



This preview shows how black text looks on a background with the Yxy color 24.0379, 0.2119, 0.2323.

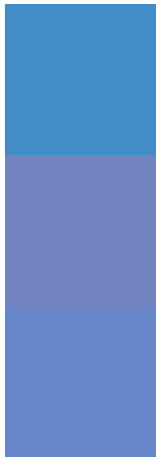


This preview shows how white text looks on a background with the Yxy color 24.0379, 0.2119, 0.2323.

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

24.0379, 0.2119, 0.2323

Protanopia

23.8857, 0.2428, 0.2347

Deuteranopia

23.8757, 0.2292, 0.2232



Tritanopia

24.1893, 0.2259, 0.3061

Trichromacy



Original Color

24.0379, 0.2119, 0.2323

Protanomaly

23.8095, 0.2293, 0.2329

Deuteranomaly

23.9521, 0.2224, 0.2272

Tritanomaly

23.9849, 0.2200, 0.2765

Monochromacy



Original Color

24.0379, 0.2119, 0.2323

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.1753, 0.2641, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0379, 0.2119, 0.2323 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(66, 140, 199)` looks like.

```
.text, #text, p{  
    color:rgb(66, 140, 199)  
}
```

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(66, 140, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 140, 199) }
```

Border

The CSS property to change the border of an element to Yxy 24.0379, 0.2119, 0.2323 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(66, 140, 199) }
```

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

```
.border{ border-color:rgb(66, 140, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 140, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 140, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 140, 199);  
box-shadow:4px 4px 4px 4px rgb(66, 140,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0379, 0.2119, 0.2323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 140, 199) }
```

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

```
.background{ background-color: rgb(66, 140,  
199) }
```

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