

Converting Colors

$Y_{xy}(30.9110, 0.2104, 0.2304)$

Have a look what the booklet for
Yxy(30.9110, 0.2104, 0.2304)
contains.

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Color

Yxy(30.8735, 0.2102, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	489DE0
RGB	72, 157, 224
RGB Percent	28%, 62%, 88%
CMY	0.7181, 0.3843, 0.1215
CMYK	0.68, 0.30, 0.00, 0.12
HSL	206°, 71%, 58%
HSV	206°, 68%, 88%
XYZ	28.1789, 30.8735, 75.0053
YIQ	139.2230, -72.1670, 2.8170

Conversions

Conversions Part 2

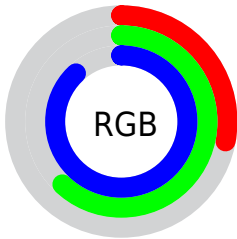
Format	Color
R _Y B	72, 127, 224
Decimal	4759008
CIE Lab	62.40, -4.53, -41.46
CIE LCh	62, 41.707, 263.759
Yxy	30.8735, 0.2102, 0.2303
Android (android.graphics.Color)	4282949088 (0xFF489DE0)
YUV	139.2230, 41.7951, -58.9546
Hunter-Lab	55.5639, -6.7116, -41.1404

Details

The Yxy color **30.8735, 0.2102, 0.2303** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **34.7499, 0.4753, 0.4016**, and the grayscale version is **25.7561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9594, 0.2404, 0.2761**, and **13.1352, 0.1901, 0.2043** is the 20% darker color. If you saturate the color by 10%, you get **26.9609, 0.1991, 0.2130**, and if you desaturate by 10%, it is **35.3711, 0.2232, 0.2474**.

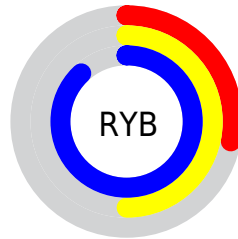
Distribution



Red (28%)

Green (62%)

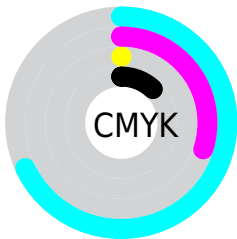
Blue (88%)



Red (28%)

Yellow (50%)

Blue (88%)

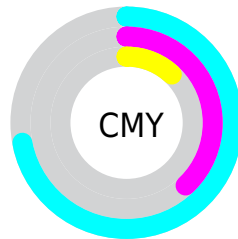


Cyan (68%)

Magenta (30%)

Yellow (0%)

Black (12%)



Cyan (72%)

Magenta (38%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8735, 0.2102, 0.2303 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 30.8735, 0.2102, 0.2303 by changing the saturation by 10% instead.

■ 30.8735, 0.2102,
0.2303

■ 30.8735, 0.2102,
0.2303

■ 305.9551, 0.2622,
0.2811

■ 20.5025, 0.1974,
0.2176

■ 61.0409, 0.2290,
0.2489

■ 12.7609, 0.1813,
0.2015

■ 81.6060, 0.2361,
0.2558

■ 7.2641, 0.1606,
0.1805

■ 106.3381, 0.2421,
0.2617

■ 3.6278, 0.1334,
0.1525

■ 135.6214, 0.2473,
0.2667

■ 1.4676, 0.0975,
0.1149

■ 169.8404, 0.2518,
0.2710

■ 0.2658, 0.0247,
0.0463

■ 209.3794, 0.2557,

■ 0.0000, 0.0000,

0.2748

0.0000

254.6228, 0.2591,
0.2781

■ 30.8735, 0.2102,
0.2303

■ 30.8735, 0.2102,
0.2303

■ 26.9609, 0.1991,
0.2130

■ 35.3711, 0.2232,
0.2474

■ 23.5880, 0.1902,
0.1960

■ 40.4874, 0.2375,
0.2640

■ 20.6988, 0.1836,
0.1796

■ 46.2562, 0.2529,
0.2798

■ 20.1388, 0.1823,
0.1762

■ 52.7076, 0.2688,
0.2945

■ 59.8695, 0.2848,
0.3080

■ 67.7677, 0.3005,
0.3202

■ 76.4268, 0.3159,
0.3312

■ 85.8700, 0.3306,
0.3410

■ 92.4396, 0.3321,
0.3504

Harmonies

Analogous

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



30.8735, 0.1953, 0.2579



30.8735, 0.2102, 0.2303



30.8735, 0.2501, 0.2275

Triad

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



30.8735, 0.2102, 0.2303



30.8735, 0.4308, 0.3288



30.8735, 0.3032, 0.4369

Complementary

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



30.8735, 0.2102, 0.2303



34.7499, 0.4753, 0.4016

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.



30.8735, 0.3677, 0.4509



30.8735, 0.2102, 0.2303



30.8735, 0.4455, 0.3794

Square

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



30.8735, 0.2102, 0.2303



30.8735, 0.3792, 0.2819



30.8735, 0.4206, 0.4252



30.8735, 0.2445, 0.3810

Rectangle

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



30.8735, 0.2102, 0.2303



30.8735, 0.2889, 0.2377



30.8735, 0.4206, 0.4252



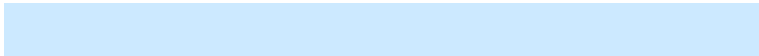
30.8735, 0.3249, 0.4468

Sweetspot

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



30.8746, 0.2102, 0.2303



78.0738, 0.2812, 0.3051



56.5225, 0.2744, 0.4576



16.1210, 0.2767, 0.3013



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.



30.8746, 0.2102, 0.2303



34.4202, 0.1956, 0.2067



12.7953, 0.1842, 0.1231



14.5092, 0.2981, 0.3184



11.9534, 0.1830, 0.1787



1.0061, 0.1900, 0.2039

Inverse Universe

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



22.9049, 0.4064, 0.2378



26.0922, 0.4350, 0.2315



64.3454, 0.4117, 0.4736



13.8283, 0.3205, 0.3160



10.1147, 0.4701, 0.2364



0.7190, 0.4409, 0.2202

Previews

White Background



This preview shows how the Yxy color 30.8735, 0.2102, 0.2303 looks on a white background.

Color Contrast Check

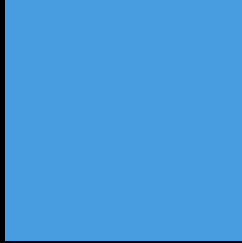
Large Text (above 18pt) WCAG AA × Fail

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 30.8735, 0.2102, 0.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

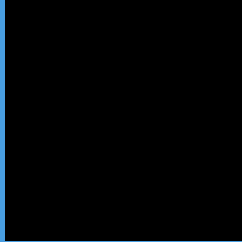
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

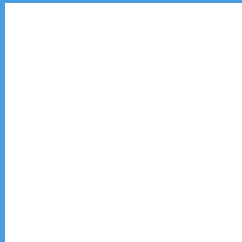
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.8735, 0.2102, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 30.8735, 0.2102, 0.2303.

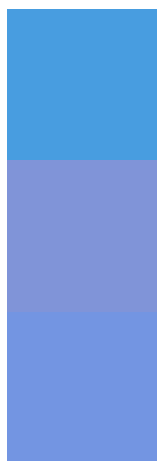


This preview shows how white text looks on a background with the Yxy color 30.8735, 0.2102, 0.2303.

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

30.8735, 0.2102, 0.2303

Protanopia

30.7269, 0.2419, 0.2331

Deuteranopia

30.6307, 0.2280, 0.2214



Tritanopia

31.0194, 0.2246, 0.3066

Trichromacy



Original Color

30.8735, 0.2102, 0.2303

Protanomaly

30.4358, 0.2279, 0.2310

Deuteranomaly

30.5454, 0.2202, 0.2245

Tritanomaly

30.8914, 0.2188, 0.2768

Monochromacy



Original Color

30.8735, 0.2102, 0.2303

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.1049, 0.2627, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8735, 0.2102, 0.2303 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(72, 157, 224)` looks like.

```
.text, #text, p{  
    color:rgb(72, 157, 224)  
}
```

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(72, 157, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 157, 224) }
```

Border

The CSS property to change the border of an element to Yxy 30.8735, 0.2102, 0.2303 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(72, 157, 224) }
```

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

```
.border{ border-color:rgb(72, 157, 224) }
```

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

Here you see how a box with a 4 pixel rgb(72, 157, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 157, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 157, 224);  
box-shadow:4px 4px 4px 4px rgb(72, 157,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8735, 0.2102, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 157, 224) }
```

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

```
.background{ background-color: rgb(72, 157,  
224) }
```

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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