

Converting Colors

$Yxy(32.4608, 0.2138, 0.2235)$

Have a look what the booklet for
Yxy(32.4608, 0.2138, 0.2235)
contains.

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Color

Yxy(32.4608, 0.2138, 0.2235)

Conversions

Conversions Part 1

Format	Color
Hex	599EE9
RGB	89, 158, 233
RGB Percent	35%, 62%, 91%
CMY	0.6511, 0.3804, 0.0862
CMYK	0.62, 0.32, 0.00, 0.09
HSL	211°, 77%, 63%
HSV	211°, 62%, 91%
XYZ	31.0520, 32.4608, 81.7257
YIQ	145.9190, -65.1990, 8.6970

Conversions

Conversions Part 2

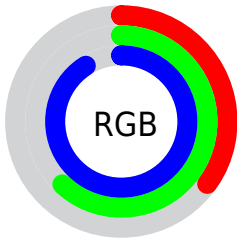
Format	Color
R _Y B	89, 136, 233
Decimal	5873385
CIE Lab	63.72, 0.74, -44.31
CIE LCh	64, 44.314, 270.953
Yxy	32.4608, 0.2138, 0.2235
Android (android.graphics.Color)	4284063465 (0xFF599EE9)
YUV	145.9190, 42.9309, -49.9180
Hunter-Lab	56.9744, -2.4197, -45.1652

Details

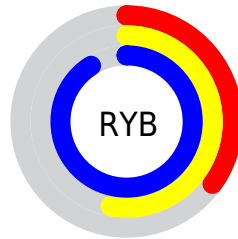
The Yxy color **32.4608, 0.2138, 0.2235** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **44.5815, 0.4476, 0.4100**, and the grayscale version is **28.5474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7910, 0.2480, 0.2783**, and **13.6897, 0.1873, 0.1944** is the 20% darker color. If you saturate the color by 10%, you get **27.5497, 0.2004, 0.2030**, and if you desaturate by 10%, it is **38.1473, 0.2288, 0.2437**.

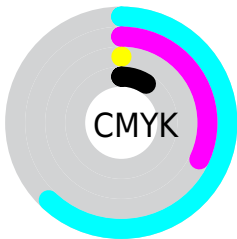
Distribution



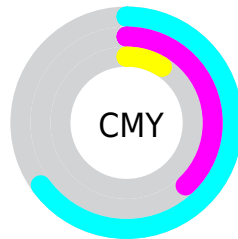
- Red (35%)
- Green (62%)
- Blue (91%)



- Red (35%)
- Yellow (53%)
- Blue (91%)



- Cyan (62%)
- Magenta (32%)
- Yellow (0%)
- Black (9%)





- Cyan (65%)
- Magenta (38%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4608, 0.2138, 0.2235 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 32.4608, 0.2138, 0.2235 by changing the saturation by 10% instead.


 32.4608, 0.2138,
0.2235


 32.4608, 0.2138,
0.2235


313.2130, 0.2637,
0.2766

 21.7137, 0.2016,
0.2106


 63.5328, 0.2318,
0.2426


 13.6467, 0.1863,
0.1944


 84.6265, 0.2386,
0.2499

 7.8753, 0.1667,
0.1736


 109.9378, 0.2444,
0.2560

 4.0153, 0.1410,
0.1465

 139.8512, 0.2494,
0.2613

 1.6821, 0.1071,
0.1108

174.7510, 0.2537,
0.2659

 0.4120, 0.0557,
0.0560

215.0216, 0.2574,

 0.0000, 0.0000,

0.2699

0.0000

261.0475, 0.2607,
0.2734

■ 32.4608, 0.2138,
0.2235

■ 32.4608, 0.2138,
0.2235

■ 27.5497, 0.2004,
0.2030

■ 38.1473, 0.2288,
0.2437

■ 23.3632, 0.1890,
0.1827

■ 44.6482, 0.2449,
0.2630

■ 19.8470, 0.1802,
0.1633

■ 52.0035, 0.2615,
0.2812

■ 17.4043, 0.1746,
0.1484

■ 60.2488, 0.2781,
0.2979

■ 69.4177, 0.2943,
0.3131

■ 79.5414, 0.3099,
0.3267

■ 90.6500, 0.3248,
0.3388

■ 98.6637, 0.3256,
0.3503

Harmonies

Analogous

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



32.4608, 0.1921, 0.2453



32.4608, 0.2138, 0.2235



32.4608, 0.2609, 0.2264

Triad

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



32.4608, 0.2138, 0.2235



32.4608, 0.4438, 0.3408



32.4608, 0.2865, 0.4315

Complementary

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



32.4608, 0.2138, 0.2235



44.5815, 0.4476, 0.4100

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.



32.4608, 0.3539, 0.4575



32.4608, 0.2138, 0.2235



32.4608, 0.4483, 0.3931

Square

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



32.4608, 0.2138, 0.2235



32.4608, 0.3977, 0.2908



32.4608, 0.4136, 0.4380



32.4608, 0.2297, 0.3657

Rectangle

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



32.4608, 0.2138, 0.2235



32.4608, 0.3041, 0.2403



32.4608, 0.4136, 0.4380



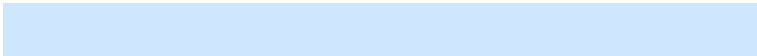
32.4608, 0.3087, 0.4457

Sweetspot

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



32.4619, 0.2138, 0.2235



76.8888, 0.2825, 0.3022



63.0627, 0.2699, 0.4265



15.7914, 0.2778, 0.2977



0.0000, 0.0000, 0.0000



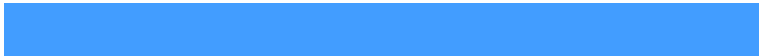
21.4041, 0.3127, 0.3290

Same Dimension

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



32.4619, 0.2138, 0.2235



32.4192, 0.1973, 0.1978



15.2637, 0.1938, 0.1307



15.7403, 0.2981, 0.3164



10.1200, 0.1753, 0.1512



0.9863, 0.1825, 0.1769

Inverse Universe

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



26.9316, 0.4107, 0.2552



27.6175, 0.4422, 0.2479



75.9271, 0.3975, 0.4733



15.1743, 0.3218, 0.3178



10.5144, 0.5044, 0.2552



0.8450, 0.4722, 0.2375

Previews

White Background



This preview shows how the Yxy color 32.4608, 0.2138, 0.2235 looks on a white background.

Color Contrast Check

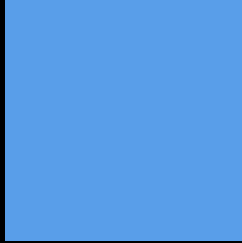
Large Text (above 18pt) WCAG AA × Fail

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 32.4608, 0.2138, 0.2235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

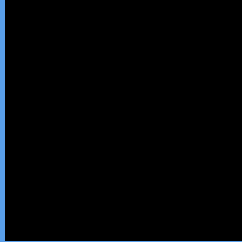
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

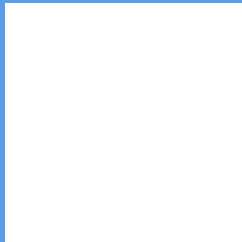
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.4608, 0.2138, 0.2235

Background



This preview shows how black text looks on a background with the Yxy color 32.4608, 0.2138, 0.2235.



This preview shows how white text looks on a background with the Yxy color 32.4608, 0.2138, 0.2235.

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

32.4608, 0.2138, 0.2235

Protanopia

32.2685, 0.2362, 0.2253

Deuteranopia

32.3004, 0.2245, 0.2185



Tritanopia

32.4727, 0.2311, 0.3056

Trichromacy



Original Color

32.4608, 0.2138, 0.2235

Protanomaly

32.3458, 0.2272, 0.2252

Deuteranomaly

32.3865, 0.2201, 0.2201

Tritanomaly

32.1844, 0.2236, 0.2709

Monochromacy



Original Color

32.4608, 0.2138, 0.2235

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.3870, 0.2657, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4608, 0.2138, 0.2235 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(89, 158, 233)` looks like.

```
.text, #text, p{  
    color:rgb(89, 158, 233)  
}
```

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(89, 158, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 158, 233) }
```

Border

The CSS property to change the border of an element to Yxy 32.4608, 0.2138, 0.2235 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(89, 158, 233) }
```

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

```
.border{ border-color:rgb(89, 158, 233) }
```

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

Here you see how a box with a 4 pixel rgb(89, 158, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 158, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 158, 233);  
box-shadow:4px 4px 4px 4px rgb(89, 158,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4608, 0.2138, 0.2235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 158, 233) }
```

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

```
.background{ background-color: rgb(89, 158,  
233) }
```

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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