

Converting Colors

$Y_{xy}(32.8195, 0.2198, 0.2279)$

Have a look what the booklet for
Yxy(32.8195, 0.2198, 0.2279)
contains.

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Color

Yxy(32.8195, 0.2198, 0.2279)

Conversions

Conversions Part 1

Format	Color
Hex	639EE6
RGB	99, 158, 230
RGB Percent	39%, 62%, 90%
CMY	0.6119, 0.3804, 0.0980
CMYK	0.57, 0.31, 0.00, 0.10
HSL	213°, 72%, 65%
HSV	213°, 57%, 90%
XYZ	31.6530, 32.8195, 79.5358
YIQ	148.5670, -58.2760, 9.8840

Conversions

Conversions Part 2

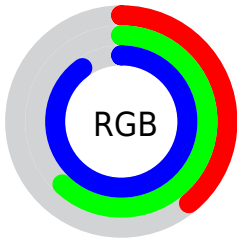
Format	Color
R _Y B	99, 140, 230
Decimal	6528742
CIE Lab	64.01, 1.68, -42.16
CIE LCh	64, 42.199, 272.287
Yxy	32.8195, 0.2198, 0.2279
Android (android.graphics.Color)	4284718822 (0xFF639EE6)
YUV	148.5670, 40.1465, -43.4703
Hunter-Lab	57.2883, -1.6294, -42.2130

Details

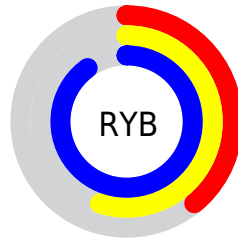
The Yxy color **32.8195, 0.2198, 0.2279** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.8385, 0.4318, 0.4090**, and the grayscale version is **29.7083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5761, 0.2522, 0.2788**, and **13.8326, 0.1936, 0.1998** is the 20% darker color. If you saturate the color by 10%, you get **27.6126, 0.2051, 0.2064**, and if you desaturate by 10%, it is **38.8408, 0.2358, 0.2489**.

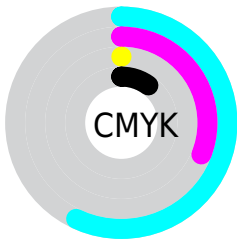
Distribution



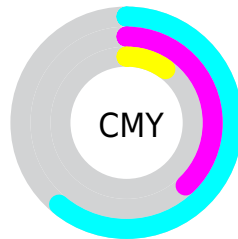
- Red (39%)
- Green (62%)
- Blue (90%)



- Red (39%)
- Yellow (55%)
- Blue (90%)



- Cyan (57%)
- Magenta (31%)
- Yellow (0%)
- Black (10%)





- Cyan (61%)
- Magenta (38%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8195, 0.2198, 0.2279 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 32.8195, 0.2198, 0.2279 by changing the saturation by 10% instead.


 32.8195, 0.2198,
0.2279


 32.8195, 0.2198,
0.2279


314.8356, 0.2668,
0.2788


 21.9882, 0.2082,
0.2155


 64.0936, 0.2368,
0.2463


 13.8482, 0.1936,
0.1998


 85.3052, 0.2433,
0.2532

 8.0152, 0.1748,
0.1796

 110.7458, 0.2487,
0.2591

 4.1047, 0.1498,
0.1531

 140.7996, 0.2534,
0.2642

 1.7323, 0.1163,
0.1177

175.8511, 0.2574,
0.2686

 0.4444, 0.0658,
0.0631

216.2846, 0.2610,

 0.0000, 0.0000,

0.2724

0.0000

262.4847, 0.2641,
0.2758

■ 32.8195, 0.2198,
0.2279

■ 32.8195, 0.2198,
0.2279

■ 27.6126, 0.2051,
0.2064

■ 38.8408, 0.2358,
0.2489

■ 23.1712, 0.1923,
0.1849

■ 45.7144, 0.2525,
0.2688

■ 19.4446, 0.1819,
0.1641

■ 53.4794, 0.2694,
0.2873

■ 16.3693, 0.1741,
0.1448

■ 62.1710, 0.2860,
0.3041

■ 15.5401, 0.1720,
0.1393

■ 71.8224, 0.3020,
0.3194

■ 82.4650, 0.3172,
0.3329

■ 93.1732, 0.3283,
0.3451

■ 98.4937, 0.3274,
0.3532

Harmonies

Analogous

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



32.8195, 0.1977, 0.2480



32.8195, 0.2198, 0.2279



32.8195, 0.2660, 0.2315

Triad

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



32.8195, 0.2198, 0.2279



32.8195, 0.4381, 0.3431



32.8195, 0.2854, 0.4236

Complementary

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



32.8195, 0.2198, 0.2279



46.8385, 0.4318, 0.4090

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.



32.8195, 0.3496, 0.4505



32.8195, 0.2198, 0.2279



32.8195, 0.4410, 0.3930

Square

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



32.8195, 0.2198, 0.2279



32.8195, 0.3960, 0.2947



32.8195, 0.4070, 0.4346



32.8195, 0.2319, 0.3608

Rectangle

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



32.8195, 0.2198, 0.2279



32.8195, 0.3077, 0.2454



32.8195, 0.4070, 0.4346



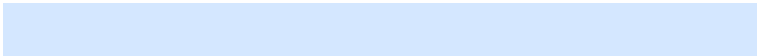
32.8195, 0.3065, 0.4376

Sweetspot

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



32.8206, 0.2198, 0.2279



78.4184, 0.2858, 0.3039



62.1088, 0.2706, 0.4140



16.2898, 0.2824, 0.3007



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.



32.8206, 0.2198, 0.2279



34.0423, 0.2032, 0.2033



17.5343, 0.2050, 0.1475



14.9512, 0.2981, 0.3157



9.0339, 0.1728, 0.1421



0.8509, 0.1806, 0.1701

Inverse Universe

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



28.2107, 0.4044, 0.2637



29.7629, 0.4338, 0.2554



73.6100, 0.3908, 0.4654



14.4754, 0.3222, 0.3185



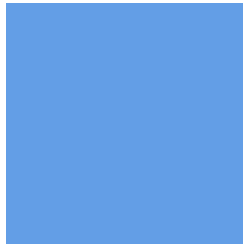
10.1097, 0.5163, 0.2618



0.7656, 0.4805, 0.2421

Previews

White Background



This preview shows how the Yxy color 32.8195, 0.2198, 0.2279 looks on a white background.

Color Contrast Check

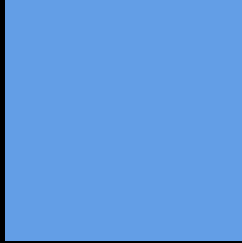
Large Text (above 18pt) WCAG AA × Fail

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 32.8195, 0.2198, 0.2279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

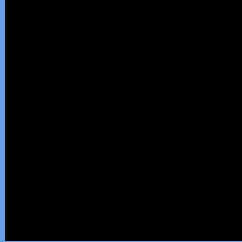
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

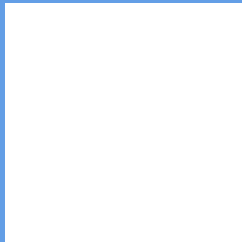
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8195, 0.2198, 0.2279

Background



This preview shows how black text looks on a background with the Yxy color 32.8195, 0.2198, 0.2279.

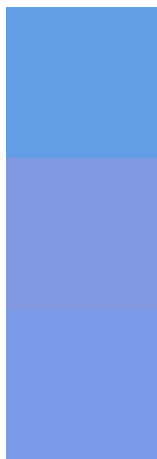


This preview shows how white text looks on a background with the Yxy color 32.8195, 0.2198, 0.2279.

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

32.8195, 0.2198, 0.2279

Protanopia

32.6385, 0.2389, 0.2292

Deuteranopia

32.8738, 0.2298, 0.2240



Tritanopia

33.0037, 0.2383, 0.3076

Trichromacy



Original Color

32.8195, 0.2198, 0.2279

Protanomaly

32.5792, 0.2312, 0.2281

Deuteranomaly

32.6570, 0.2254, 0.2242

Tritanomaly

32.6529, 0.2305, 0.2745

Monochromacy



Original Color

32.8195, 0.2198, 0.2279

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.4961, 0.2710, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8195, 0.2198, 0.2279 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(99, 158, 230)` looks like.

```
.text, #text, p{  
    color:rgb(99, 158, 230)  
}
```

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(99, 158, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 158, 230) }
```

Border

The CSS property to change the border of an element to Yxy 32.8195, 0.2198, 0.2279 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(99, 158, 230) }
```

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

```
.border{ border-color:rgb(99, 158, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 158, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 158, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 158, 230);  
box-shadow:4px 4px 4px 4px rgb(99, 158,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8195, 0.2198, 0.2279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 158, 230) }
```

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

```
.background{ background-color: rgb(99, 158,  
230) }
```

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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