

Converting Colors

$Y_{xy}(32.8260, 0.2223, 0.2475)$

Have a look what the booklet for
Yxy(32.8260, 0.2223, 0.2475)
contains.

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Color

Yxy(32.9743, 0.2223, 0.2479)

Conversions

Conversions Part 1

Format	Color
Hex	59A2D9
RGB	89, 162, 217
RGB Percent	35%, 64%, 85%
CMY	0.6509, 0.3647, 0.1489
CMYK	0.59, 0.25, 0.00, 0.15
HSL	206°, 63%, 60%
HSV	206°, 59%, 85%
XYZ	29.5691, 32.9743, 70.4711
YIQ	146.4430, -61.1630, 1.6290

Conversions

Conversions Part 2

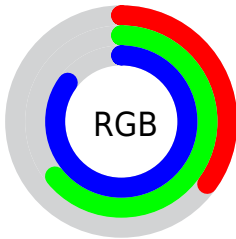
Format	Color
R _Y B	89, 135, 217
Decimal	5874393
CIE Lab	64.14, -6.64, -34.83
CIE LCh	64, 35.454, 259.211
Yxy	32.9743, 0.2223, 0.2479
Android (android.graphics.Color)	4284064473 (0xFF59A2D9)
YUV	146.4430, 34.7846, -50.3775
Hunter-Lab	57.4233, -8.5752, -32.5657

Details

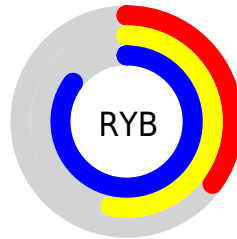
The Yxy color **32.9743, 0.2223, 0.2479** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **35.4437, 0.4489, 0.3937**, and the grayscale version is **28.8127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1416, 0.2480, 0.2843**, and **14.0291, 0.1967, 0.2242** is the 20% darker color. If you saturate the color by 10%, you get **28.8887, 0.2097, 0.2312**, and if you desaturate by 10%, it is **37.6227, 0.2364, 0.2641**.

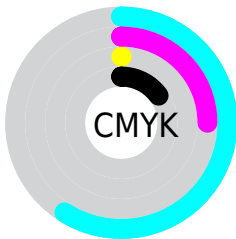
Distribution



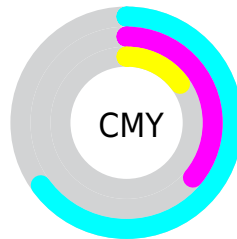
- Red (35%)
- Green (64%)
- Blue (85%)



- Red (35%)
- Yellow (53%)
- Blue (85%)



- Cyan (59%)
- Magenta (25%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (36%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9743, 0.2223, 0.2479 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 32.9743, 0.2223, 0.2479 by changing the saturation by 10% instead.

■ 32.9743, 0.2223,
0.2479

■ 32.9743, 0.2223,
0.2479

■ 315.5339, 0.2681,
0.2899

■ 22.1068, 0.2109,
0.2372

■ 64.3354, 0.2390,
0.2634

■ 13.9354, 0.1965,
0.2235

■ 85.5978, 0.2452,
0.2691

■ 8.0757, 0.1777,
0.2053

■ 111.0938, 0.2505,
0.2740

■ 4.1434, 0.1525,
0.1804

■ 141.2080, 0.2551,
0.2781

■ 1.7541, 0.1180,
0.1452

■ 176.3247, 0.2590,
0.2817

■ 0.4583, 0.0515,
0.0863

■ 216.8284, 0.2624,

■ 0.0000, 0.0000,

0.2848

0.0000

263.1033, 0.2654,
0.2875

■ 32.9743, 0.2223,
0.2479

■ 32.9743, 0.2223,
0.2479

■ 28.8887, 0.2097,
0.2312

■ 37.6227, 0.2364,
0.2641

■ 25.3283, 0.1990,
0.2144

■ 42.8606, 0.2515,
0.2795

■ 22.2550, 0.1904,
0.1978

■ 48.7170, 0.2672,
0.2939

■ 19.6094, 0.1840,
0.1818

■ 55.2172, 0.2831,
0.3072

■ 19.3556, 0.1834,
0.1802

■ 62.3852, 0.2989,
0.3192

70.2435, 0.3143,
0.3301

78.8133, 0.3290,
0.3397

86.6344, 0.3378,
0.3486

92.1686, 0.3364,
0.3576

Harmonies

Analogous

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



32.9743, 0.2128, 0.2757



32.9743, 0.2223, 0.2479



32.9743, 0.2538, 0.2417

Triad

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



32.9743, 0.2223, 0.2479



32.9743, 0.4060, 0.3236



32.9743, 0.3141, 0.4213

Complementary

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



32.9743, 0.2223, 0.2479



35.4437, 0.4489, 0.3937

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.



32.9743, 0.3678, 0.4290



32.9743, 0.2223, 0.2479



32.9743, 0.4239, 0.3671

Square

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



32.9743, 0.2223, 0.2479



32.9743, 0.3601, 0.2840



32.9743, 0.4088, 0.4062



32.9743, 0.2627, 0.3802

Rectangle

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



32.9743, 0.2223, 0.2479



32.9743, 0.2852, 0.2485



32.9743, 0.4088, 0.4062



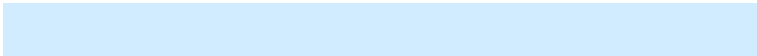
32.9743, 0.3325, 0.4279

Sweetspot

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



32.9755, 0.2223, 0.2479



80.3584, 0.2844, 0.3082



53.7300, 0.2777, 0.4408



16.5854, 0.2798, 0.3045



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.



32.9755, 0.2223, 0.2479



40.1800, 0.2066, 0.2267



16.1927, 0.2016, 0.1541



13.8431, 0.2982, 0.3187



11.9271, 0.1840, 0.1825



0.9426, 0.1913, 0.2086

Inverse Universe

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



24.5143, 0.3868, 0.2449



29.3315, 0.4112, 0.2336



59.7953, 0.4026, 0.4578



13.1753, 0.3203, 0.3158



9.8278, 0.4656, 0.2338



0.6538, 0.4356, 0.2173

Previews

White Background



This preview shows how the Yxy color 32.9743, 0.2223, 0.2479 looks on a white background.

Color Contrast Check

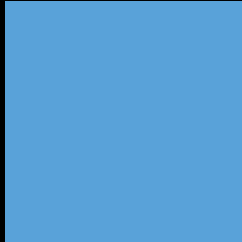
Large Text (above 18pt) WCAG AA × Fail

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 32.9743, 0.2223, 0.2479 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

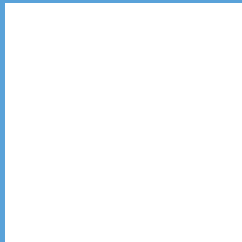
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9743, 0.2223, 0.2479

Background



This preview shows how black text looks on a background with the Yxy color 32.9743, 0.2223, 0.2479.

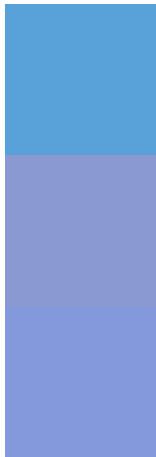


This preview shows how white text looks on a background with the Yxy color 32.9743, 0.2223, 0.2479.

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

32.9743, 0.2223, 0.2479

Protanopia

32.8389, 0.2540, 0.2490

Deuteranopia

32.7222, 0.2433, 0.2374



Tritanopia

32.8385, 0.2354, 0.3058

Trichromacy



Original Color

32.9743, 0.2223, 0.2479

Protanomaly

32.5741, 0.2401, 0.2472

Deuteranomaly

32.5519, 0.2347, 0.2407

Tritanomaly

32.8748, 0.2300, 0.2830

Monochromacy



Original Color

32.9743, 0.2223, 0.2479

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.7950, 0.2706, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9743, 0.2223, 0.2479 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, 162, 217)` looks like.

```
.text, #text, p{  
    color:rgb(89, 162, 217)  
}
```

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, 162, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 162, 217) }
```

Border

The CSS property to change the border of an element to Yxy 32.9743, 0.2223, 0.2479 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, 162, 217) }
```

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

```
.border{ border-color:rgb(89, 162, 217) }
```

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

Here you see how a box with a 4 pixel rgb(89, 162, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 162, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 162, 217);  
box-shadow:4px 4px 4px 4px rgb(89, 162,  
217) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.9743, 0.2223, 0.2479$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 162, 217) }
```

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

```
.background{ background-color: rgb(89, 162,  
217) }
```

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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