

Converting Colors

$Y_{xy}(21.8899, 0.2032, 0.2309)$

Have a look what the booklet for
Yxy(21.8899, 0.2032, 0.2309)
contains.

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Color

Yxy(21.8899, 0.2032, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	2788C1
RGB	39, 136, 193
RGB Percent	15%, 53%, 76%
CMY	0.8471, 0.4666, 0.2432
CMYK	0.80, 0.30, 0.00, 0.24
HSL	202°, 66%, 45%
HSV	202°, 80%, 76%
XYZ	19.2639, 21.8899, 53.6487
YIQ	113.4950, -76.1090, -2.8370

Conversions

Conversions Part 2

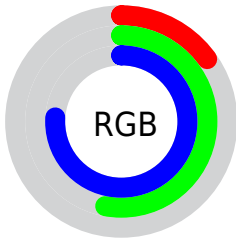
Format	Color
R_{YB}	39, 99, 193
Decimal	2590913
CIE _{Lab}	53.91, -7.64, -37.43
CIE _{LCh}	54, 38.202, 258.471
Yxy	21.8899, 0.2032, 0.2309
Android (android.graphics.Color)	4280780993 (0xFF2788C1)
YUV	113.4950, 39.1960, -65.3321
Hunter-Lab	46.7866, -8.3813, -35.2353

Details

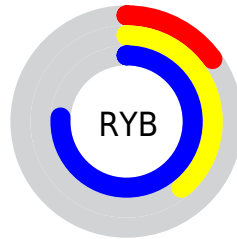
The Yxy color **21.8899, 0.2032, 0.2309** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **19.8400, 0.5231, 0.3912**, and the grayscale version is **16.5660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5485, 0.2251, 0.2509**, and **8.6805, 0.1902, 0.2046** is the 20% darker color. If you saturate the color by 10%, you get **19.6603, 0.1956, 0.2168**, and if you desaturate by 10%, it is **24.4464, 0.2129, 0.2452**.

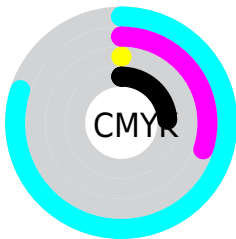
Distribution



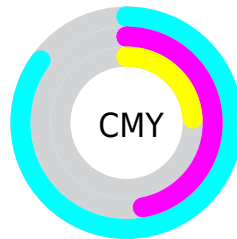
- Red (15%)
- Green (53%)
- Blue (76%)



- Red (15%)
- Yellow (39%)
- Blue (76%)



- Cyan (80%)
- Magenta (30%)
- Yellow (0%)
- Black (24%)



- Cyan (85%)
- Magenta (47%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8899, 0.2032, 0.2309 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 21.8899, 0.2032, 0.2309 by changing the saturation by 10% instead.

■ 21.8899, 0.2032,
0.2309

■ 21.8899, 0.2032,
0.2309

261.9708, 0.2616,
0.2845

■ 13.7760, 0.1879,
0.2164

■ 46.5640, 0.2250,
0.2513

■ 7.9651, 0.1682,
0.1972

■ 63.8929, 0.2331,
0.2587

■ 4.0726, 0.1421,
0.1713

■ 85.0624, 0.2398,
0.2649

■ 1.7143, 0.1071,
0.1353

■ 110.4567, 0.2455,
0.2701

■ 0.4329, 0.0396,
0.0761

■ 140.4603, 0.2504,
0.2745

■ 0.0000, 0.0000,
0.0000

175.4576, 0.2546,

0.2783

215.8330, 0.2583,
0.2816

■ 21.8899, 0.2032,
0.2309

■ 21.8899, 0.2032,
0.2309

■ 19.6603, 0.1956,
0.2168

■ 24.4464, 0.2129,
0.2452

■ 17.7040, 0.1898,
0.2029

■ 27.3557, 0.2245,
0.2593

■ 17.6656, 0.1896,
0.2026

■ 30.6427, 0.2376,
0.2730

■ 34.3287, 0.2518,
0.2860

■ 38.4332, 0.2669,
0.2982

■ 42.9741, 0.2823,
0.3095

■ 47.9682, 0.2977,
0.3199

■ 53.4311, 0.3130,
0.3292

■ 59.3776, 0.3279,
0.3375

Harmonies

Analogous

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



21.8899, 0.1926, 0.2637



21.8899, 0.2032, 0.2309



21.8899, 0.2396, 0.2240

Triad

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



21.8899, 0.2032, 0.2309



21.8899, 0.4271, 0.3196



21.8899, 0.3144, 0.4462

Complementary

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



21.8899, 0.2032, 0.2309



19.8400, 0.5231, 0.3912

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.



21.8899, 0.3798, 0.4519



21.8899, 0.2032, 0.2309



21.8899, 0.4495, 0.3712

Square

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



21.8899, 0.2032, 0.2309



21.8899, 0.3690, 0.2733



21.8899, 0.4302, 0.4199



21.8899, 0.2520, 0.3948

Rectangle

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



21.8899, 0.2032, 0.2309



21.8899, 0.2769, 0.2320



21.8899, 0.4302, 0.4199



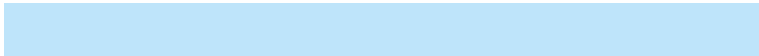
21.8899, 0.3368, 0.4534

Sweetspot

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



21.8906, 0.2032, 0.2309



73.1607, 0.2752, 0.3045



39.3960, 0.2792, 0.5002



15.0770, 0.2697, 0.3004



97.7402, 0.3127, 0.3290



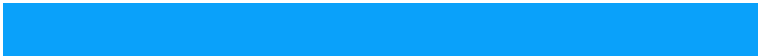
20.4902, 0.3127, 0.3290

Same Dimension

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



21.8906, 0.2032, 0.2309



32.4994, 0.1911, 0.2061



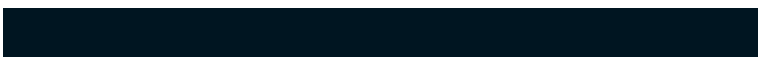
7.4624, 0.1703, 0.1055



10.7817, 0.2984, 0.3203



11.9097, 0.1901, 0.2044



0.6428, 0.1987, 0.2354

Inverse Universe

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



14.5628, 0.4090, 0.2193



23.1007, 0.4381, 0.2203



41.1564, 0.4312, 0.4772



10.1822, 0.3193, 0.3146



8.4845, 0.4403, 0.2199



0.3795, 0.4070, 0.2016

Previews

White Background



This preview shows how the Yxy color 21.8899, 0.2032, 0.2309 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 21.8899, 0.2032, 0.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

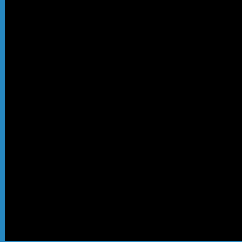
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8899, 0.2032, 0.2309

Background



This preview shows how black text looks on a background with the Yxy color 21.8899, 0.2032, 0.2309.

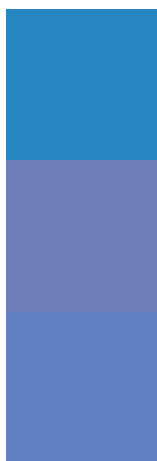


This preview shows how white text looks on a background with the Yxy color 21.8899, 0.2032, 0.2309.

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

21.8899, 0.2032, 0.2309

Protanopia

21.6757, 0.2419, 0.2328

Deuteranopia

21.8653, 0.2264, 0.2210



Tritanopia

21.6459, 0.2185, 0.3067

Trichromacy



Original Color

21.8899, 0.2032, 0.2309

Protanomaly

21.4809, 0.2232, 0.2314

Deuteranomaly

21.6235, 0.2151, 0.2241

Tritanomaly

21.6767, 0.2114, 0.2756

Monochromacy



Original Color

21.8899, 0.2032, 0.2309

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.6062, 0.2537, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8899, 0.2032, 0.2309 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(39, 136, 193)` looks like.

```
.text, #text, p{  
    color:rgb(39, 136, 193)  
}
```

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(39, 136, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 136, 193) }
```

Border

The CSS property to change the border of an element to Yxy 21.8899, 0.2032, 0.2309 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(39, 136, 193) }
```

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

```
.border{ border-color:rgb(39, 136, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 136, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 136, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 136, 193);  
box-shadow:4px 4px 4px 4px rgb(39, 136,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8899, 0.2032, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 136, 193) }
```

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

```
.background{ background-color: rgb(39, 136,  
193) }
```

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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