

Converting Colors

$Y_{xy}(29.2480, 0.2419, 0.2395)$

Have a look what the booklet for
Yxy(29.2480, 0.2419, 0.2395)
contains.

Yxy(29.1277, 0.2419, 0.2394)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.1277, 0.2419, 0.2394)

Conversions

Conversions Part 1

Format	Color
Hex	7992CF
RGB	121, 146, 207
RGB Percent	47%, 57%, 81%
CMY	0.5253, 0.4275, 0.1882
CMYK	0.42, 0.29, 0.00, 0.19
HSL	223°, 47%, 64%
HSV	223°, 42%, 81%
XYZ	29.4319, 29.1277, 63.1100
YIQ	145.4790, -34.4810, 13.6710

Conversions

Conversions Part 2

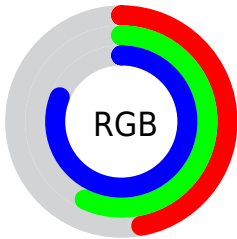
Format	Color
R_{YB}	121, 140, 207
Decimal	7967439
CIE Lab	60.89, 6.83, -34.18
CIE LCh	61, 34.853, 281.300
Yxy	29.1277, 0.2419, 0.2394
Android (android.graphics.Color)	4286157519 (0xFF7992CF)
YUV	145.4790, 30.3299, -21.4681
Hunter-Lab	53.9701, 2.8950, -31.5518

Details

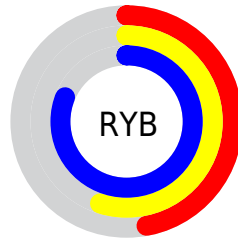
The Yxy color **29.1277, 0.2419, 0.2394** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.1316, 0.3859, 0.4043**, and the grayscale version is **28.4087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7587, 0.2607, 0.2660**, and **11.8260, 0.2198, 0.2137** is the 20% darker color. If you saturate the color by 10%, you get **23.5471, 0.2236, 0.2130**, and if you desaturate by 10%, it is **35.6137, 0.2602, 0.2643**.

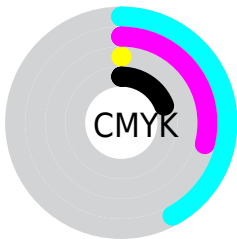
Distribution



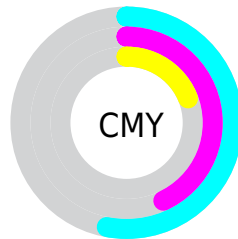
- Red (47%)
- Green (57%)
- Blue (81%)



- Red (47%)
- Yellow (55%)
- Blue (81%)



- Cyan (42%)
- Magenta (29%)
- Yellow (0%)
- Black (19%)



- Cyan (53%)
- Magenta (43%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1277, 0.2419, 0.2394 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 29.1277, 0.2419, 0.2394 by changing the saturation by 10% instead.

■ 29.1277, 0.2419,
0.2394

■ 29.1277, 0.2419,
0.2394

■ 297.8170, 0.2792,
0.2855

■ 19.1774, 0.2322,
0.2277

■ 58.2799, 0.2558,
0.2563

■ 11.7986, 0.2195,
0.2127

■ 78.2507, 0.2609,
0.2627

■ 6.6067, 0.2025,
0.1928

■ 102.3304, 0.2652,
0.2680

■ 3.2174, 0.1787,
0.1657

■ 130.9034, 0.2688,
0.2725

■ 1.2462, 0.1440,
0.1276

■ 164.3542, 0.2720,
0.2764

■ 0.0990, 0.0684,
0.0260

■ 203.0671, 0.2747,

■ 0.0000, 0.0000,

0.2798

0.0000

247.4266, 0.2771,
0.2829

■ 29.1277, 0.2419,
0.2394

■ 29.1277, 0.2419,
0.2394

■ 23.5471, 0.2236,
0.2130

■ 35.6137, 0.2602,
0.2643

■ 18.8258, 0.2060,
0.1859

■ 43.0416, 0.2780,
0.2872

■ 14.9185, 0.1900,
0.1592

■ 51.4497, 0.2948,
0.3079

■ 11.7735, 0.1766,
0.1341

■ 60.8730, 0.3104,
0.3264

■ 9.3322, 0.1663,
0.1120

■ 71.3450, 0.3248,
0.3426

■ 7.7449, 0.1601,
0.0962

■ 82.8975, 0.3379,
0.3569

■ 93.4238, 0.3422,
0.3703

■ 97.2856, 0.3412,
0.3760

Harmonies

Analogous

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



29.1277, 0.2155, 0.2513



29.1277, 0.2419, 0.2394



29.1277, 0.2883, 0.2480

Triad

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



29.1277, 0.2419, 0.2394



29.1277, 0.4251, 0.3560



29.1277, 0.2742, 0.3953

Complementary

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



29.1277, 0.2419, 0.2394



48.1316, 0.3859, 0.4043

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.



29.1277, 0.3289, 0.4294



29.1277, 0.2419, 0.2394



29.1277, 0.4181, 0.3982

Square

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



29.1277, 0.2419, 0.2394



29.1277, 0.3981, 0.3120



29.1277, 0.3819, 0.4277



29.1277, 0.2323, 0.3388

Rectangle

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



29.1277, 0.2419, 0.2394



29.1277, 0.3264, 0.2636



29.1277, 0.3819, 0.4277



29.1277, 0.2917, 0.4103

Sweetspot

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



29.1288, 0.2419, 0.2394



81.5676, 0.2938, 0.3067



52.0452, 0.2707, 0.3653



17.0607, 0.2916, 0.3041



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.



29.1288, 0.2419, 0.2394



38.5004, 0.2252, 0.2155



23.6147, 0.2504, 0.2065



11.9686, 0.2982, 0.3120



5.0215, 0.1607, 0.0986



0.4178, 0.1711, 0.1358

Inverse Universe

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



29.0277, 0.3870, 0.2974



39.2666, 0.4124, 0.2911



56.9372, 0.3598, 0.4362



11.8639, 0.3246, 0.3223



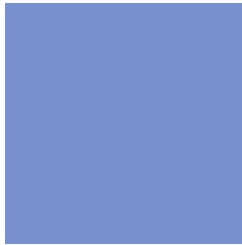
8.5782, 0.5780, 0.2958



0.4935, 0.5248, 0.2664

Previews

White Background



This preview shows how the Yxy color 29.1277, 0.2419, 0.2394 looks on a white background.

Color Contrast Check

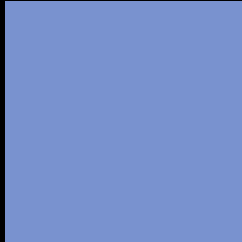
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1277, 0.2419, 0.2394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

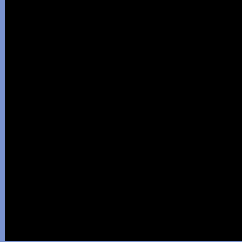
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1277, 0.2419, 0.2394

Background



This preview shows how black text looks on a background with the Yxy color 29.1277, 0.2419, 0.2394.



This preview shows how white text looks on a background with the Yxy color 29.1277, 0.2419, 0.2394.

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

29.1277, 0.2419, 0.2394

Protanopia

28.9919, 0.2472, 0.2388

Deuteranopia

29.1158, 0.2446, 0.2386



Tritanopia

29.1794, 0.2633, 0.3090

Trichromacy



Original Color

29.1277, 0.2419, 0.2394

Protanomaly

29.0670, 0.2452, 0.2398

Deuteranomaly

29.0409, 0.2438, 0.2384

Tritanomaly

29.0468, 0.2550, 0.2811

Monochromacy



Original Color

29.1277, 0.2419, 0.2394

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.3122, 0.2827, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1277, 0.2419, 0.2394 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(121, 146, 207)` looks like.

```
.text, #text, p{  
    color:rgb(121, 146, 207)  
}
```

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(121, 146, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 146, 207) }
```

Border

The CSS property to change the border of an element to Yxy 29.1277, 0.2419, 0.2394 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(121, 146, 207) }
```

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

```
.border{ border-color:rgb(121, 146, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 146, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 146, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 146, 207); box-shadow:4px 4px 4px 4px rgb(121, 146, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1277, 0.2419, 0.2394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 146, 207) }
```

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

```
.background{ background-color: rgb(121,  
146, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor