

Converting Colors

$Y_{xy}(29.9936, 0.2312, 0.2268)$

Have a look what the booklet for
Yxy(29.9936, 0.2312, 0.2268)
contains.

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Color

Yxy(29.9920, 0.2309, 0.2264)

Conversions

Conversions Part 1

Format	Color
Hex	7394DC
RGB	115, 148, 220
RGB Percent	45%, 58%, 86%
CMY	0.5487, 0.4197, 0.1372
CMYK	0.48, 0.33, 0.00, 0.14
HSL	221°, 60%, 66%
HSV	221°, 48%, 86%
XYZ	30.5881, 29.9920, 71.8934
YIQ	146.3410, -42.7800, 15.3960

Conversions

Conversions Part 2

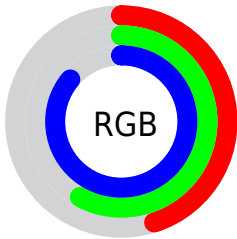
Format	Color
R _Y B	115, 140, 220
Decimal	7574748
CIE Lab	61.65, 7.96, -40.28
CIE LCh	62, 41.060, 281.173
Yxy	29.9920, 0.2309, 0.2264
Android (android.graphics.Color)	4285764828 (0xFF7394DC)
YUV	146.3410, 36.3139, -27.4861
Hunter-Lab	54.7650, 3.8598, -39.4982

Details

The Yxy color **29.9920, 0.2309, 0.2264** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.0499, 0.3998, 0.4128**, and the grayscale version is **28.7607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1190, 0.2580, 0.2679**, and **12.3515, 0.2063, 0.1974** is the 20% darker color. If you saturate the color by 10%, you get **24.2413, 0.2132, 0.2002**, and if you desaturate by 10%, it is **36.7192, 0.2491, 0.2516**.

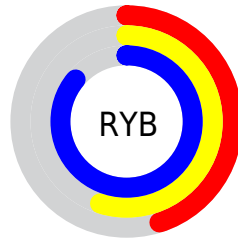
Distribution



Red (45%)

Green (58%)

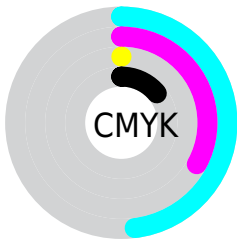
Blue (86%)



Red (45%)

Yellow (55%)

Blue (86%)

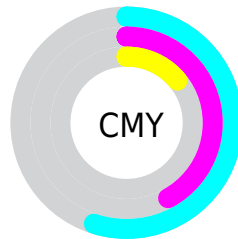


Cyan (48%)

Magenta (33%)

Yellow (0%)

Black (14%)



Cyan (55%)


Magenta (42%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9920, 0.2309, 0.2264 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 29.9920, 0.2309, 0.2264 by changing the saturation by 10% instead.


 29.9920, 0.2309,
0.2264


 29.9920, 0.2309,
0.2264


301.8672, 0.2734,
0.2783


 19.8325, 0.2201,
0.2136

 59.6495, 0.2466,
0.2452

 12.2734, 0.2062,
0.1974


 79.9164, 0.2524,
0.2523

 6.9301, 0.1879,
0.1764


 104.3211, 0.2573,
0.2583

 3.4184, 0.1630,
0.1486

133.2481, 0.2615,
0.2635

 1.3539, 0.1283,
0.1112

167.0819, 0.2651,
0.2680

 0.1824, 0.0686,
0.0340

206.2067, 0.2682,

 0.0000, 0.0000,

0.2719

0.0000

251.0070, 0.2710,
0.2753

■ 29.9920, 0.2309,
0.2264

■ 29.9920, 0.2309,
0.2264

■ 24.2413, 0.2132,
0.2002

■ 36.7192, 0.2491,
0.2516

■ 19.4143, 0.1968,
0.1738

■ 44.4652, 0.2672,
0.2750

■ 15.4577, 0.1825,
0.1484

■ 53.2738, 0.2845,
0.2964

■ 12.3101, 0.1711,
0.1252

■ 63.1849, 0.3009,
0.3157

■ 9.8950, 0.1630,
0.1052

■ 74.2364, 0.3161,
0.3328

■ 9.4198, 0.1614,
0.1011

■ 86.4641, 0.3301,
0.3478

■ 97.1293, 0.3335,
0.3619

■ 97.9478, 0.3333,
0.3631

Harmonies

Analogous

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



29.9920, 0.2014, 0.2392



29.9920, 0.2309, 0.2264



29.9920, 0.2836, 0.2364

Triad

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



29.9920, 0.2309, 0.2264



29.9920, 0.4437, 0.3581



29.9920, 0.2676, 0.4077

Complementary

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



29.9920, 0.2309, 0.2264



52.0499, 0.3998, 0.4128

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.



29.9920, 0.3305, 0.4477



29.9920, 0.2309, 0.2264



29.9920, 0.4346, 0.4070

Square

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



29.9920, 0.2309, 0.2264



29.9920, 0.4122, 0.3084



29.9920, 0.3919, 0.4432



29.9920, 0.2199, 0.3399

Rectangle

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



29.9920, 0.2309, 0.2264



29.9920, 0.3279, 0.2539



29.9920, 0.3919, 0.4432



29.9920, 0.2876, 0.4256

Sweetspot

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



29.9931, 0.2309, 0.2264



79.1938, 0.2905, 0.3036



58.4216, 0.2668, 0.3744



16.3243, 0.2869, 0.2993



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.



29.9931, 0.2309, 0.2264



34.0259, 0.2135, 0.2008



22.5462, 0.2372, 0.1848



13.2799, 0.2981, 0.3125



5.7041, 0.1622, 0.1037



0.5211, 0.1713, 0.1366

Inverse Universe

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



29.6377, 0.4012, 0.2900



34.7102, 0.4305, 0.2835



64.8180, 0.3674, 0.4516



13.1184, 0.3243, 0.3217



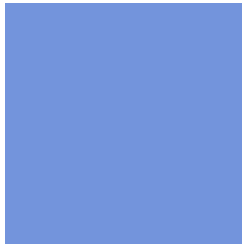
9.1996, 0.5703, 0.2915



0.6113, 0.5237, 0.2659

Previews

White Background



This preview shows how the Yxy color 29.9920, 0.2309, 0.2264 looks on a white background.

Color Contrast Check

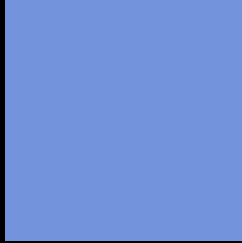
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9920, 0.2309, 0.2264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

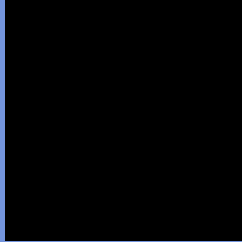
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9920, 0.2309, 0.2264

Background



This preview shows how black text looks on a background with the Yxy color 29.9920, 0.2309, 0.2264.

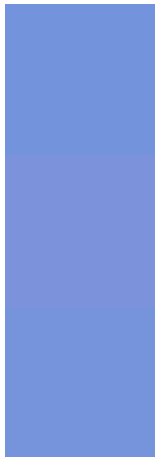


This preview shows how white text looks on a background with the Yxy color 29.9920, 0.2309, 0.2264.

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

29.9920, 0.2309, 0.2264

Protanopia

29.9048, 0.2374, 0.2272

Deuteranopia

30.1290, 0.2321, 0.2268



Tritanopia

30.0653, 0.2542, 0.3089

Trichromacy



Original Color

29.9920, 0.2309, 0.2264

Protanomaly

30.0469, 0.2351, 0.2271

Deuteranomaly

30.0601, 0.2315, 0.2266

Tritanomaly

29.7453, 0.2447, 0.2751

Monochromacy



Original Color

29.9920, 0.2309, 0.2264

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.0355, 0.2778, 0.2884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9920, 0.2309, 0.2264 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(115, 148, 220)` looks like.

```
.text, #text, p{  
    color:rgb(115, 148, 220)  
}
```

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(115, 148, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 148, 220) }
```

Border

The CSS property to change the border of an element to Yxy 29.9920, 0.2309, 0.2264 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(115, 148, 220) }
```

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

```
.border{ border-color:rgb(115, 148, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 148, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 148, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 148, 220);  
box-shadow:4px 4px 4px 4px rgb(115, 148,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9920, 0.2309, 0.2264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 148, 220) }
```

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

```
.background{ background-color: rgb(115,  
148, 220) }
```

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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