

Converting Colors

$Y_{xy}(29.5704, 0.2403, 0.2255)$

Have a look what the booklet for
Yxy(29.5704, 0.2403, 0.2255)
contains.

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Color

Yxy(29.5977, 0.2398, 0.2251)

Conversions

Conversions Part 1

Format	Color
Hex	8090DA
RGB	128, 144, 218
RGB Percent	50%, 56%, 85%
CMY	0.4979, 0.4353, 0.1452
CMYK	0.41, 0.34, 0.00, 0.15
HSL	229°, 55%, 68%
HSV	229°, 41%, 85%
XYZ	31.5306, 29.5977, 70.3586
YIQ	147.6520, -33.2900, 19.6220

Conversions

Conversions Part 2

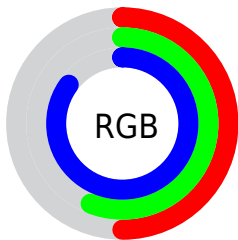
Format	Color
R_{YB}	128, 142, 218
Decimal	8425690
CIE _{Lab}	61.31, 12.91, -39.62
CIE _{LCh}	61, 41.674, 288.050
Yxy	29.5977, 0.2398, 0.2251
Android (android.graphics.Color)	4286615770 (0xFF8090DA)
YUV	147.6520, 34.6816, -17.2348
Hunter-Lab	54.4038, 8.2459, -38.5952

Details

The Yxy color **29.5977, 0.2398, 0.2251** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.7039, 0.3810, 0.4147**, and the grayscale version is **29.3284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7985, 0.2655, 0.2645**, and **12.0662, 0.2165, 0.1956** is the 20% darker color. If you saturate the color by 10%, you get **23.0793, 0.2201, 0.1947**, and if you desaturate by 10%, it is **37.3438, 0.2593, 0.2541**.

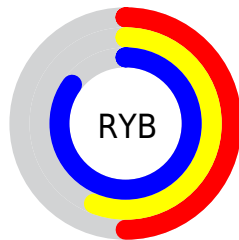
Distribution



Red (50%)

Green (56%)

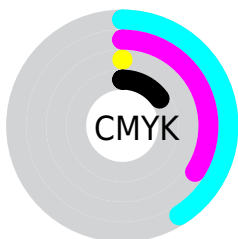
Blue (85%)



Red (50%)

Yellow (56%)

Blue (85%)

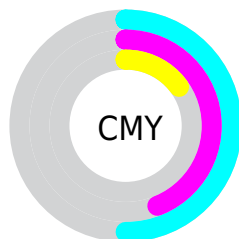


Cyan (41%)

Magenta (34%)

Yellow (0%)

Black (15%)



Cyan (50%)

Magenta (44%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5977, 0.2398, 0.2251 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 29.5977, 0.2398, 0.2251 by changing the saturation by 10% instead.

■ 29.5977, 0.2398,
0.2251

■ 29.5977, 0.2398,
0.2251

■ 300.0247, 0.2781,
0.2774

■ 19.5334, 0.2299,
0.2122

■ 59.0254, 0.2540,
0.2440

■ 12.0564, 0.2171,
0.1960

■ 79.1576, 0.2593,
0.2512

■ 6.7821, 0.2000,
0.1750

■ 103.4146, 0.2637,
0.2572

■ 3.3262, 0.1764,
0.1472

■ 132.1807, 0.2675,
0.2624

■ 1.3043, 0.1427,
0.1099

■ 165.8404, 0.2707,
0.2669

■ 0.1445, 0.0877,
0.0280

■ 204.7780, 0.2735,

■ 0.0000, 0.0000,

0.2709

0.0000

249.3780, 0.2759,
0.2744

■ 29.5977, 0.2398,
0.2251

■ 29.5977, 0.2398,
0.2251

■ 23.0793, 0.2201,
0.1947

■ 37.3438, 0.2593,
0.2541

■ 17.7211, 0.2011,
0.1640

■ 46.3735, 0.2779,
0.2809

■ 13.4543, 0.1840,
0.1349

■ 56.7433, 0.2951,
0.3051

■ 10.2007, 0.1699,
0.1091

■ 68.5054, 0.3108,
0.3265

■ 7.8713, 0.1598,
0.0882

■ 81.7090, 0.3250,
0.3453

■ 6.4910, 0.1541,
0.0749

■ 95.6697, 0.3350,
0.3619

■ 97.8403, 0.3346,
0.3651

Harmonies

Analogous

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



29.5977, 0.2041, 0.2324



29.5977, 0.2398, 0.2251



29.5977, 0.2980, 0.2401

Triad

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



29.5977, 0.2398, 0.2251



29.5977, 0.4477, 0.3702



29.5977, 0.2536, 0.3947

Complementary

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



29.5977, 0.2398, 0.2251



58.7039, 0.3810, 0.4147

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.



29.5977, 0.3155, 0.4448



29.5977, 0.2398, 0.2251



29.5977, 0.4293, 0.4183

Square

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



29.5977, 0.2398, 0.2251



29.5977, 0.4249, 0.3191



29.5977, 0.3799, 0.4500



29.5977, 0.2106, 0.3239

Rectangle

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



29.5977, 0.2398, 0.2251



29.5977, 0.3442, 0.2605



29.5977, 0.3799, 0.4500



29.5977, 0.2728, 0.4155

Sweetspot

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



29.5988, 0.2398, 0.2251



79.6311, 0.2937, 0.3031



58.9583, 0.2651, 0.3507



16.6077, 0.2915, 0.3001



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.



29.5988, 0.2398, 0.2251



33.6251, 0.2217, 0.1972



27.6277, 0.2597, 0.2099



12.9890, 0.2981, 0.3092



4.0011, 0.1547, 0.0767



0.3733, 0.1624, 0.1046

Inverse Universe

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



32.3622, 0.3988, 0.3098



38.7745, 0.4294, 0.3060



62.5676, 0.3513, 0.4390



13.0891, 0.3264, 0.3249



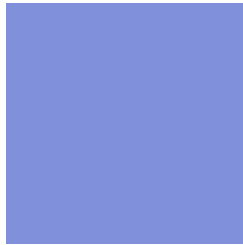
9.0277, 0.6122, 0.3146



0.5964, 0.5690, 0.2908

Previews

White Background



This preview shows how the Yxy color 29.5977, 0.2398, 0.2251 looks on a white background.

Color Contrast Check

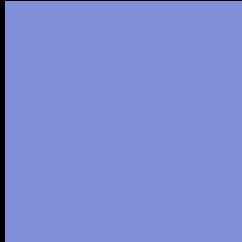
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5977, 0.2398, 0.2251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

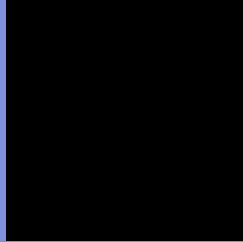
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5977, 0.2398, 0.2251

Background



This preview shows how black text looks on a background with the Yxy color 29.5977, 0.2398, 0.2251.



This preview shows how white text looks on a background with the Yxy color 29.5977, 0.2398, 0.2251.

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

29.5977, 0.2398, 0.2251

Protanopia

29.5762, 0.2359, 0.2245

Deuteranopia

29.7287, 0.2342, 0.2288



Tritanopia

29.5461, 0.2665, 0.3076

Trichromacy



Original Color

29.5977, 0.2398, 0.2251

Protanomaly

29.7252, 0.2373, 0.2249

Deuteranomaly

29.7051, 0.2366, 0.2280

Tritanomaly

29.3509, 0.2559, 0.2729

Monochromacy



Original Color

29.5977, 0.2398, 0.2251

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.5473, 0.2833, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5977, 0.2398, 0.2251 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(128, 144, 218)` looks like.

```
.text, #text, p{  
    color:rgb(128, 144, 218)  
}
```

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(128, 144, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 144, 218) }
```

Border

The CSS property to change the border of an element to Yxy 29.5977, 0.2398, 0.2251 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(128, 144, 218) }
```

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

```
.border{ border-color:rgb(128, 144, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 144, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 144, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 144, 218);  
box-shadow:4px 4px 4px 4px rgb(128, 144,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5977, 0.2398, 0.2251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 144, 218) }
```

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

```
.background{ background-color: rgb(128,  
144, 218) }
```

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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