

Converting Colors

$Y_{xy}(30.2609, 0.2402, 0.2313)$

Have a look what the booklet for
Yxy(30.2609, 0.2402, 0.2313)
contains.

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Color

Yxy(30.2609, 0.2402, 0.2313)

Conversions

Conversions Part 1

Format	Color
Hex	7E93D8
RGB	126, 147, 216
RGB Percent	49%, 58%, 85%
CMY	0.5061, 0.4235, 0.1530
CMYK	0.42, 0.32, 0.00, 0.15
HSL	226°, 54%, 67%
HSV	226°, 42%, 85%
XYZ	31.4253, 30.2609, 69.1435
YIQ	148.5870, -34.6650, 17.0070

Conversions

Conversions Part 2

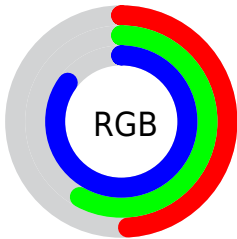
Format	Color
R _Y B	126, 143, 216
Decimal	8295384
CIE Lab	61.88, 10.06, -37.63
CIE LCh	62, 38.954, 284.961
Yxy	30.2609, 0.2402, 0.2313
Android (android.graphics.Color)	4286485464 (0xFF7E93D8)
YUV	148.5870, 33.2346, -19.8088
Hunter-Lab	55.0099, 5.7036, -36.0163

Details

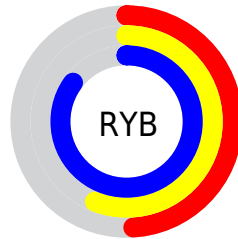
The Yxy color **30.2609, 0.2402, 0.2313** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.0968, 0.3840, 0.4102**, and the grayscale version is **29.7384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9384, 0.2646, 0.2678**, and **12.4622, 0.2175, 0.2037** is the 20% darker color. If you saturate the color by 10%, you get **24.0128, 0.2212, 0.2028**, and if you desaturate by 10%, it is **37.6057, 0.2592, 0.2584**.

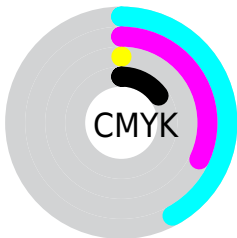
Distribution



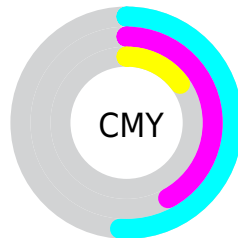
- Red (49%)
- Green (58%)
- Blue (85%)



- Red (49%)
- Yellow (56%)
- Blue (85%)



- Cyan (42%)
- Magenta (32%)
- Yellow (0%)
- Black (15%)



- Cyan (51%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2609, 0.2402, 0.2313 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 30.2609, 0.2402, 0.2313 by changing the saturation by 10% instead.

■ 30.2609, 0.2402,
0.2313

■ 30.2609, 0.2402,
0.2313

303.1187, 0.2781,
0.2808

■ 20.0367, 0.2304,
0.2191

■ 60.0745, 0.2543,
0.2493

■ 12.4217, 0.2178,
0.2035

■ 80.4328, 0.2595,
0.2560

■ 7.0316, 0.2009,
0.1833

■ 104.9378, 0.2638,
0.2617

■ 3.4819, 0.1776,
0.1562

133.9740, 0.2676,
0.2666

■ 1.3882, 0.1443,
0.1193

167.9258, 0.2708,
0.2709

■ 0.2080, 0.0883,
0.0414

207.1776, 0.2735,

■ 0.0000, 0.0000,

0.2746

0.0000

252.1137, 0.2760,
0.2779

■ 30.2609, 0.2402,
0.2313

■ 30.2609, 0.2402,
0.2313

■ 24.0128, 0.2212,
0.2028

■ 37.6057, 0.2592,
0.2584

■ 18.8035, 0.2029,
0.1738

■ 46.0944, 0.2774,
0.2833

■ 14.5747, 0.1864,
0.1457

■ 55.7753, 0.2945,
0.3058

■ 11.2605, 0.1727,
0.1201

■ 66.6931, 0.3102,
0.3259

■ 8.7856, 0.1625,
0.0985

■ 78.8900, 0.3245,
0.3435

■ 7.2853, 0.1567,
0.0842

■ 92.3032, 0.3370,
0.3589

■ 97.7374, 0.3358,
0.3671

Harmonies

Analogous

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



30.2609, 0.2089, 0.2409



30.2609, 0.2402, 0.2313



30.2609, 0.2929, 0.2433

Triad

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



30.2609, 0.2402, 0.2313



30.2609, 0.4377, 0.3634



30.2609, 0.2634, 0.3958

Complementary

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



30.2609, 0.2402, 0.2313



55.0968, 0.3840, 0.4102

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.



30.2609, 0.3222, 0.4382



30.2609, 0.2402, 0.2313



30.2609, 0.4249, 0.4090

Square

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



30.2609, 0.2402, 0.2313



30.2609, 0.4125, 0.3155



30.2609, 0.3816, 0.4398



30.2609, 0.2205, 0.3314

Rectangle

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



30.2609, 0.2402, 0.2313



30.2609, 0.3355, 0.2615



30.2609, 0.3816, 0.4398



30.2609, 0.2819, 0.4139

Sweetspot

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



30.2620, 0.2402, 0.2313



79.1012, 0.2921, 0.3028



57.4102, 0.2680, 0.3593



16.2379, 0.2884, 0.2979



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.



30.2620, 0.2402, 0.2313



35.9983, 0.2235, 0.2063



26.2043, 0.2538, 0.2069



12.4757, 0.2982, 0.3106



4.4508, 0.1574, 0.0865



0.3972, 0.1666, 0.1198

Inverse Universe

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



31.6128, 0.3938, 0.3034



39.0140, 0.4209, 0.2985



62.0125, 0.3565, 0.4383



12.4680, 0.3255, 0.3236



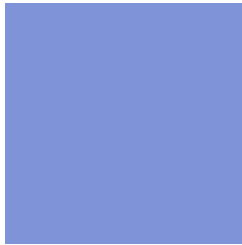
8.7942, 0.5966, 0.3060



0.5434, 0.5470, 0.2787

Previews

White Background



This preview shows how the Yxy color 30.2609, 0.2402, 0.2313 looks on a white background.

Color Contrast Check

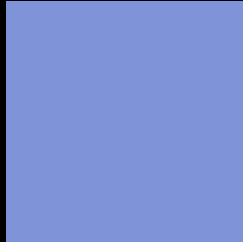
Large Text (above 18pt) WCAG AA × Fail

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 30.2609, 0.2402, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

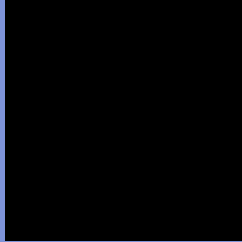
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2609, 0.2402, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 30.2609, 0.2402, 0.2313.



This preview shows how white text looks on a background with the Yxy color 30.2609, 0.2402, 0.2313.

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

30.2609, 0.2402, 0.2313

Protanopia

30.3373, 0.2409, 0.2315

Deuteranopia

30.3486, 0.2384, 0.2322



Tritanopia

30.2189, 0.2646, 0.3077

Trichromacy



Original Color

30.2609, 0.2402, 0.2313

Protanomaly

30.3373, 0.2409, 0.2315

Deuteranomaly

30.4228, 0.2391, 0.2324

Tritanomaly

30.1792, 0.2550, 0.2776

Monochromacy



Original Color

30.2609, 0.2402, 0.2313

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.8597, 0.2834, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2609, 0.2402, 0.2313 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(126, 147, 216)` looks like.

```
.text, #text, p{  
    color:rgb(126, 147, 216)  
}
```

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(126, 147, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 147, 216) }
```

Border

The CSS property to change the border of an element to Yxy 30.2609, 0.2402, 0.2313 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(126, 147, 216) }
```

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

```
.border{ border-color:rgb(126, 147, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 147, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 147, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 147, 216);  
box-shadow:4px 4px 4px 4px rgb(126, 147,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2609, 0.2402, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 147, 216) }
```

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

```
.background{ background-color: rgb(126,  
147, 216) }
```

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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