

Converting Colors

$Yxy(30.8127, 0.2400, 0.2340)$

Have a look what the booklet for
Yxy(30.8127, 0.2400, 0.2340)
contains.

Yxy(30.8127, 0.2400, 0.2340)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.8127, 0.2400, 0.2340)

Conversions

Conversions Part 1

Format	Color
Hex	7D95D8
RGB	125, 149, 216
RGB Percent	49%, 58%, 85%
CMY	0.5098, 0.4157, 0.1528
CMYK	0.42, 0.31, 0.00, 0.15
HSL	224°, 54%, 67%
HSV	224°, 42%, 85%
XYZ	31.6028, 30.8127, 69.2627
YIQ	149.4620, -35.8110, 15.7490

Conversions

Conversions Part 2

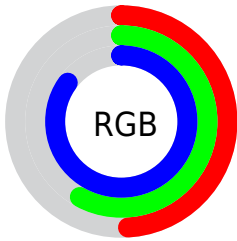
Format	Color
RYB	125, 144, 216
Decimal	8230360
CIELab	62.35, 8.68, -36.92
CIELCh	62, 37.927, 283.227
Yxy	30.8127, 0.2400, 0.2340
Android (android.graphics.Color)	4286420440 (0xFF7D95D8)
YUV	149.4620, 32.8032, -21.4532
Hunter-Lab	55.5092, 4.4834, -35.1239

Details

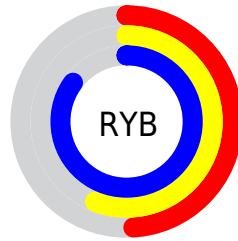
The Yxy color **30.8127, 0.2400, 0.2340** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.7998, 0.3861, 0.4082**, and the grayscale version is **30.1316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7556, 0.2642, 0.2700**, and **12.7990, 0.2175, 0.2074** is the 20% darker color. If you saturate the color by 10%, you get **24.6659, 0.2213, 0.2065**, and if you desaturate by 10%, it is **38.0030, 0.2587, 0.2601**.

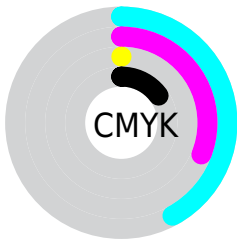
Distribution



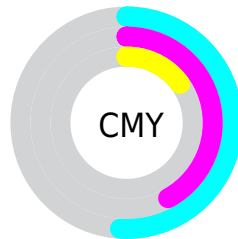
- Red (49%)
- Green (58%)
- Blue (85%)



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



- Cyan (42%)
- Magenta (31%)
- Yellow (0%)
- Black (15%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8127, 0.2400, 0.2340 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 30.8127, 0.2400, 0.2340 by changing the saturation by 10% instead.


 30.8127, 0.2400,
0.2340


 30.8127, 0.2400,
0.2340


 305.6745, 0.2779,
0.2821


 20.4563, 0.2303,
0.2221


 60.9451, 0.2540,
0.2515

 12.7271, 0.2177,
0.2069


 81.4898, 0.2592,
0.2581


 7.2409, 0.2010,
0.1871


 106.1994, 0.2636,
0.2636

 3.6132, 0.1779,
0.1605

 135.4583, 0.2673,
0.2684

 1.4596, 0.1449,
0.1241

 169.6508, 0.2705,
0.2725

 0.2601, 0.0899,
0.0509

 209.1615, 0.2733,

 0.0000, 0.0000,

0.2761

0.0000

254.3746, 0.2757,
0.2793

■ 30.8127, 0.2400,
0.2340

■ 30.8127, 0.2400,
0.2340

■ 24.6659, 0.2213,
0.2065

■ 38.0030, 0.2587,
0.2601

■ 19.5084, 0.2035,
0.1784

■ 46.2805, 0.2767,
0.2841

■ 15.2857, 0.1873,
0.1511

■ 55.6907, 0.2938,
0.3058

■ 11.9364, 0.1739,
0.1258

■ 66.2751, 0.3095,
0.3252

■ 9.3900, 0.1639,
0.1041

■ 78.0732, 0.3239,
0.3422

■ 7.8783, 0.1584,
0.0900

■ 91.1227, 0.3370,
0.3571

■ 97.7391, 0.3357,
0.3671

Harmonies

Analogous

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



30.8127, 0.2108, 0.2448



30.8127, 0.2400, 0.2340



30.8127, 0.2902, 0.2445

Triad

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



30.8127, 0.2400, 0.2340



30.8127, 0.4333, 0.3601



30.8127, 0.2680, 0.3967

Complementary

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



30.8127, 0.2400, 0.2340



53.7998, 0.3861, 0.4082

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.



30.8127, 0.3257, 0.4356



30.8127, 0.2400, 0.2340



30.8127, 0.4232, 0.4046

Square

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



30.8127, 0.2400, 0.2340



30.8127, 0.4068, 0.3135



30.8127, 0.3827, 0.4354



30.8127, 0.2251, 0.3351

Rectangle

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



30.8127, 0.2400, 0.2340



30.8127, 0.3312, 0.2616



30.8127, 0.3827, 0.4354



30.8127, 0.2863, 0.4136

Sweetspot

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



30.8138, 0.2400, 0.2340



79.6463, 0.2921, 0.3038



57.2794, 0.2685, 0.3618



16.3711, 0.2884, 0.2991



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.



30.8138, 0.2400, 0.2340



36.4491, 0.2225, 0.2083



25.7632, 0.2517, 0.2050



12.5356, 0.2982, 0.3113



4.8132, 0.1590, 0.0925



0.4262, 0.1685, 0.1267

Inverse Universe

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



31.4427, 0.3918, 0.2998



38.4255, 0.4196, 0.2940



62.1784, 0.3581, 0.4390



12.4740, 0.3250, 0.3229



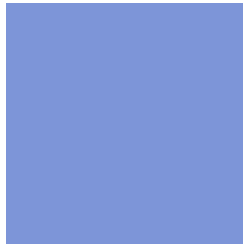
8.8307, 0.5873, 0.3009



0.5463, 0.5373, 0.2733

Previews

White Background



This preview shows how the Yxy color 30.8127, 0.2400, 0.2340 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 30.8127, 0.2400, 0.2340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

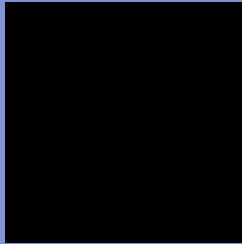
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8127, 0.2400, 0.2340

Background



This preview shows how black text looks on a background with the Yxy color 30.8127, 0.2400, 0.2340.



This preview shows how white text looks on a background with the Yxy color 30.8127, 0.2400, 0.2340.

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

30.8127, 0.2400, 0.2340

Protanopia

30.7532, 0.2432, 0.2344

Deuteranopia

30.8127, 0.2400, 0.2340



Tritanopia

30.9047, 0.2628, 0.3078

Trichromacy



Original Color

30.8127, 0.2400, 0.2340

Protanomaly

30.6753, 0.2425, 0.2342

Deuteranomaly

30.8127, 0.2400, 0.2340

Tritanomaly

30.8125, 0.2540, 0.2793

Monochromacy



Original Color

30.8127, 0.2400, 0.2340

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.0875, 0.2826, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8127, 0.2400, 0.2340 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(125, 149, 216)` looks like.

```
.text, #text, p{  
    color:rgb(125, 149, 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(125, 149, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 149, 216) }
```

Border

The CSS property to change the border of an element to Yxy 30.8127, 0.2400, 0.2340 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(125, 149, 216) }
```

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

```
.border{ border-color:rgb(125, 149, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 149, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 149, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 149, 216);  
box-shadow:4px 4px 4px 4px rgb(125, 149,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8127, 0.2400, 0.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 149, 216) }
```

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

```
.background{ background-color: rgb(125,  
149, 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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