

Converting Colors

$Y_{xy}(30.5546, 0.2563, 0.2299)$

Have a look what the booklet for
Yxy(30.5546, 0.2563, 0.2299)
contains.

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Color

Yxy(30.4553, 0.2558, 0.2293)

Conversions

Conversions Part 1

Format	Color
Hex	938ED7
RGB	147, 142, 215
RGB Percent	58%, 56%, 84%
CMY	0.4235, 0.4432, 0.1568
CMYK	0.32, 0.34, 0.00, 0.16
HSL	244°, 48%, 70%
HSV	244°, 34%, 84%
XYZ	33.9750, 30.4553, 68.3883
YIQ	151.8170, -20.4530, 23.7630

Conversions

Conversions Part 2

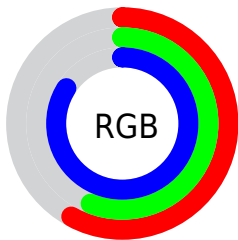
Format	Color
RYB	147, 142, 215
Decimal	9670359
CIELab	62.05, 18.45, -36.72
CIELCh	62, 41.092, 296.676
Yxy	30.4553, 0.2558, 0.2293
Android (android.graphics.Color)	4287860439 (0xFF938ED7)
YUV	151.8170, 31.1492, -4.2245
Hunter-Lab	55.1863, 13.3160, -34.8432

Details

The Yxy color **30.4553, 0.2558, 0.2293** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.2627, 0.3596, 0.4144**, and the grayscale version is **31.1880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3964, 0.2779, 0.2645**, and **12.5720, 0.2375, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **22.9708, 0.2355, 0.1946**, and if you desaturate by 10%, it is **39.4983, 0.2748, 0.2622**.

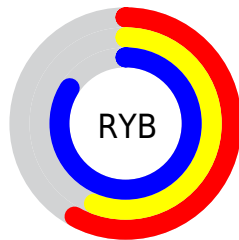
Distribution



Red (58%)

Green (56%)

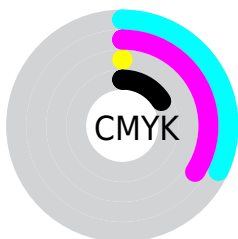
Blue (84%)



Red (58%)

Yellow (56%)

Blue (84%)

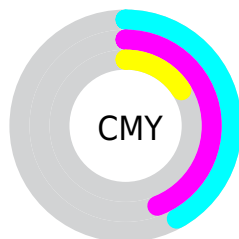


Cyan (32%)

Magenta (34%)

Yellow (0%)

Black (16%)



Cyan (42%)

Magenta (44%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4553, 0.2558, 0.2293 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 30.4553, 0.2558, 0.2293 by changing the saturation by 10% instead.

■ 30.4553, 0.2558,
0.2293

■ 30.4553, 0.2558,
0.2293

■ 304.0210, 0.2861,
0.2791

■ 20.1844, 0.2478,
0.2171

■ 60.3815, 0.2672,
0.2473

■ 12.5292, 0.2373,
0.2017

■ 80.8056, 0.2713,
0.2541

■ 7.1051, 0.2232,
0.1818

■ 105.3828, 0.2748,
0.2598

■ 3.5279, 0.2032,
0.1553

■ 134.4977, 0.2778,
0.2648

■ 1.4132, 0.1736,
0.1193

■ 168.5346, 0.2803,
0.2691

■ 0.2264, 0.1295,
0.0441

■ 207.8778, 0.2825,

■ 0.0000, 0.0000,

0.2729

0.0000

252.9118, 0.2844,
0.2762

■ 30.4553, 0.2558,
0.2293

■ 30.4553, 0.2558,
0.2293

■ 22.9708, 0.2355,
0.1946

■ 39.4983, 0.2748,
0.2622

■ 16.9534, 0.2148,
0.1598

■ 50.1772, 0.2920,
0.2923

■ 12.3076, 0.1949,
0.1271

■ 62.5688, 0.3072,
0.3192

■ 8.9251, 0.1775,
0.0991

■ 76.7435, 0.3205,
0.3429

■ 6.6813, 0.1639,
0.0781

■ 92.7681, 0.3319,
0.3635

■ 5.4260, 0.1550,
0.0654

■ 97.6871, 0.3363,
0.3681

■ 5.0070, 0.1518,
0.0610

Harmonies

Analogous

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



30.4553, 0.2139, 0.2299



30.4553, 0.2558, 0.2293



30.4553, 0.3176, 0.2496

Triad

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



30.4553, 0.2558, 0.2293



30.4553, 0.4434, 0.3839



30.4553, 0.2405, 0.3738

Complementary

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



30.4553, 0.2558, 0.2293



64.2627, 0.3596, 0.4144

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.



30.4553, 0.2972, 0.4318



30.4553, 0.2558, 0.2293



30.4553, 0.4155, 0.4280

Square

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



30.4553, 0.2558, 0.2293



30.4553, 0.4328, 0.3337



30.4553, 0.3613, 0.4502



30.4553, 0.2053, 0.3055

Rectangle

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



30.4553, 0.2558, 0.2293



30.4553, 0.3631, 0.2727



30.4553, 0.3613, 0.4502



30.4553, 0.2575, 0.3960

Sweetspot

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



30.4565, 0.2558, 0.2293



80.5670, 0.2981, 0.3031



56.8240, 0.2640, 0.3226



16.7054, 0.2959, 0.2992



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.



30.4565, 0.2558, 0.2293



36.4094, 0.2408, 0.2036



34.3649, 0.2873, 0.2375



12.0491, 0.2992, 0.3050



3.0109, 0.1523, 0.0613



0.1962, 0.1595, 0.0652

Inverse Universe

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



38.4469, 0.3212, 0.2504



49.9820, 0.3234, 0.2338



59.5192, 0.3309, 0.4230



12.6173, 0.3148, 0.3076



11.1477, 0.3389, 0.1640



0.6769, 0.3354, 0.1622

Previews

White Background



This preview shows how the Yxy color 30.4553, 0.2558, 0.2293 looks on a white background.

Color Contrast Check

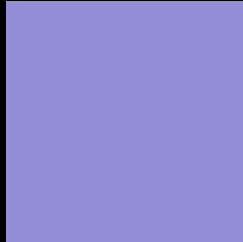
Large Text (above 18pt) WCAG AA × Fail

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 30.4553, 0.2558, 0.2293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

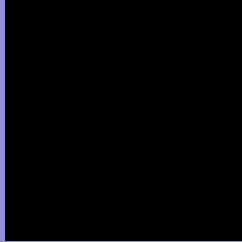
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4553, 0.2558, 0.2293

Background



This preview shows how black text looks on a background with the Yxy color 30.4553, 0.2558, 0.2293.



This preview shows how white text looks on a background with the Yxy color 30.4553, 0.2558, 0.2293.

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

30.4553, 0.2558, 0.2293

Protanopia

30.4175, 0.2385, 0.2279

Deuteranopia

30.4705, 0.2417, 0.2350



Tritanopia

30.3710, 0.2867, 0.3100

Trichromacy



Original Color

30.4553, 0.2558, 0.2293

Protanomaly

30.3811, 0.2443, 0.2276

Deuteranomaly

30.4811, 0.2471, 0.2335

Tritanomaly

30.1742, 0.2744, 0.2764

Monochromacy



Original Color

30.4553, 0.2558, 0.2293

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.7590, 0.2901, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4553, 0.2558, 0.2293 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(147, 142, 215)` looks like.

```
.text, #text, p{  
    color:rgb(147, 142, 215)  
}
```

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(147, 142, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 142, 215) }
```

Border

The CSS property to change the border of an element to Yxy 30.4553, 0.2558, 0.2293 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(147, 142, 215) }
```

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

```
.border{ border-color:rgb(147, 142, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 142, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 142, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 142, 215);  
box-shadow:4px 4px 4px 4px rgb(147, 142,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4553, 0.2558, 0.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 142, 215) }
```

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

```
.background{ background-color: rgb(147,  
142, 215) }
```

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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