

Converting Colors

$Y_{xy}(30.2799, 0.2491, 0.2085)$

Have a look what the booklet for
Yxy(30.2799, 0.2491, 0.2085)
contains.

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Color

Yxy(30.2799, 0.2491, 0.2085)

Conversions

Conversions Part 1

Format	Color
Hex	9889E6
RGB	152, 137, 230
RGB Percent	60%, 54%, 90%
CMY	0.4038, 0.4627, 0.0982
CMYK	0.34, 0.40, 0.00, 0.10
HSL	250°, 65%, 72%
HSV	250°, 40%, 90%
XYZ	36.1761, 30.2799, 78.7713
YIQ	152.0870, -20.9130, 32.1030

Conversions

Conversions Part 2

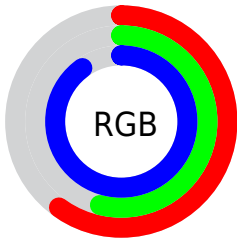
Format	Color
RYB	152, 137, 230
Decimal	9996774
CIELab	61.89, 26.60, -45.24
CIElCh	62, 52.480, 300.453
Yxy	30.2799, 0.2491, 0.2085
Android (android.graphics.Color)	4288186854 (0xFF9889E6)
YUV	152.0870, 38.4111, -0.0763
Hunter-Lab	55.0272, 21.0524, -46.3545

Details

The Yxy color **30.2799, 0.2491, 0.2085** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.8156, 0.3616, 0.4331**, and the grayscale version is **31.2788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6022, 0.2817, 0.2586**, and **12.4138, 0.2283, 0.1774** is the 20% darker color. If you saturate the color by 10%, you get **22.7131, 0.2297, 0.1743**, and if you desaturate by 10%, it is **39.5445, 0.2675, 0.2420**.

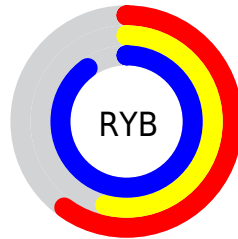
Distribution



Red (60%)

Green (54%)

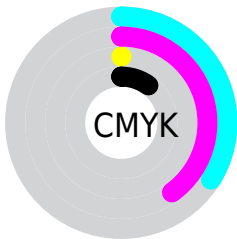
Blue (90%)



Red (60%)

Yellow (54%)

Blue (90%)

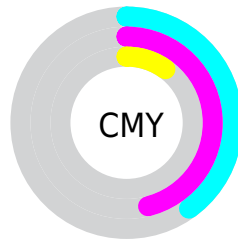


Cyan (34%)

Magenta (40%)

Yellow (0%)

Black (10%)



Cyan (40%)

Magenta (46%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2799, 0.2491, 0.2085 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 30.2799, 0.2491, 0.2085 by changing the saturation by 10% instead.


 30.2799, 0.2491,
0.2085


 30.2799, 0.2491,
0.2085


303.2070, 0.2830,
0.2672


 20.0511, 0.2403,
0.1947


 60.1045, 0.2618,
0.2293

 12.4322, 0.2288,
0.1776


 80.4692, 0.2664,
0.2372

 7.0388, 0.2135,
0.1561


 104.9813, 0.2703,
0.2441

 3.4864, 0.1923,
0.1287

134.0252, 0.2737,
0.2500

 1.3906, 0.1619,
0.0936

167.9853, 0.2765,
0.2551

 0.2098, 0.1203,
0.0297

207.2461, 0.2790,

 0.0000, 0.0000,

0.2596

0.0000

252.1918, 0.2811,
0.2636

■ 30.2799, 0.2491,
0.2085

■ 30.2799, 0.2491,
0.2085

■ 22.7131, 0.2297,
0.1743

■ 39.5445, 0.2675,
0.2420

■ 16.7367, 0.2103,
0.1414

■ 50.5986, 0.2843,
0.2735

■ 12.2366, 0.1919,
0.1119

■ 63.5311, 0.2992,
0.3022

■ 9.0813, 0.1761,
0.0883

■ 78.4243, 0.3122,
0.3280

■ 7.1157, 0.1640,
0.0721

■ 95.3553, 0.3234,
0.3507

■ 6.1073, 0.1561,
0.0634

■ 98.4910, 0.3274,
0.3533

Harmonies

Analogous

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



30.2799, 0.1954, 0.2048



30.2799, 0.2491, 0.2085



30.2799, 0.3286, 0.2358

Triad

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



30.2799, 0.2491, 0.2085



30.2799, 0.4749, 0.3999



30.2799, 0.2138, 0.3746

Complementary

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



30.2799, 0.2491, 0.2085



72.8156, 0.3616, 0.4331

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.



30.2799, 0.2805, 0.4575



30.2799, 0.2491, 0.2085



30.2799, 0.4318, 0.4560

Square

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



30.2799, 0.2491, 0.2085



30.2799, 0.4707, 0.3389



30.2799, 0.3603, 0.4855



30.2799, 0.1765, 0.2867

Rectangle

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



30.2799, 0.2491, 0.2085



30.2799, 0.3870, 0.2648



30.2799, 0.3603, 0.4855



30.2799, 0.2333, 0.4056

Sweetspot

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



30.2810, 0.2491, 0.2085



77.4615, 0.2969, 0.2977



60.1500, 0.2545, 0.3114



16.1018, 0.2950, 0.2940



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.



30.2810, 0.2491, 0.2085



29.7057, 0.2320, 0.1782



35.5309, 0.2877, 0.2205



13.9985, 0.3005, 0.3049



3.4935, 0.1571, 0.0639



0.2922, 0.1691, 0.0705

Inverse Universe

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



39.6117, 0.3312, 0.2438



43.2255, 0.3364, 0.2265



66.8726, 0.3282, 0.4454



14.5731, 0.3162, 0.3095



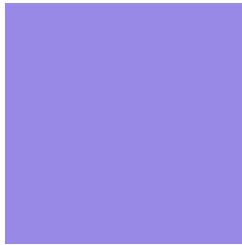
11.7150, 0.3664, 0.1792



0.8765, 0.3587, 0.1749

Previews

White Background



This preview shows how the Yxy color 30.2799, 0.2491, 0.2085 looks on a white background.

Color Contrast Check

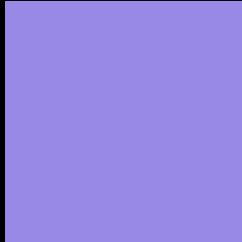
Large Text (above 18pt) WCAG AA × Fail

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 30.2799, 0.2491, 0.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

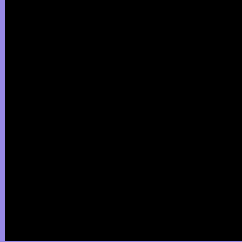
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2799, 0.2491, 0.2085

Background



This preview shows how black text looks on a background with the Yxy color 30.2799, 0.2491, 0.2085.



This preview shows how white text looks on a background with the Yxy color 30.2799, 0.2491, 0.2085.

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

30.2799, 0.2491, 0.2085

Protanopia

30.3082, 0.2206, 0.2048

Deuteranopia

30.4857, 0.2256, 0.2198



Tritanopia

30.1808, 0.2893, 0.3101

Trichromacy



Original Color

30.2799, 0.2491, 0.2085

Protanomaly

30.2323, 0.2300, 0.2062

Deuteranomaly

30.3643, 0.2336, 0.2157

Tritanomaly

29.9853, 0.2736, 0.2683

Monochromacy



Original Color

30.2799, 0.2491, 0.2085

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.8381, 0.2877, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2799, 0.2491, 0.2085 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(152, 137, 230)` looks like.

```
.text, #text, p{  
    color:rgb(152, 137, 230)  
}
```

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(152, 137, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 137, 230) }
```

Border

The CSS property to change the border of an element to Yxy 30.2799, 0.2491, 0.2085 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(152, 137, 230) }
```

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

```
.border{ border-color:rgb(152, 137, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 137, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 137, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 137, 230);  
box-shadow:4px 4px 4px 4px rgb(152, 137,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2799, 0.2491, 0.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 137, 230) }
```

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

```
.background{ background-color: rgb(152,  
137, 230) }
```

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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