

Converting Colors

$Y_{xy}(30.3082, 0.2472, 0.2062)$

Have a look what the booklet for
Yxy(30.3082, 0.2472, 0.2062)
contains.

Yxy(30.2968, 0.2470, 0.2063)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.2968, 0.2470, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	9789E8
RGB	151, 137, 232
RGB Percent	59%, 54%, 91%
CMY	0.4079, 0.4627, 0.0902
CMYK	0.35, 0.41, 0.00, 0.09
HSL	249°, 67%, 72%
HSV	249°, 41%, 91%
XYZ	36.2739, 30.2968, 80.2873
YIQ	152.0160, -22.1510, 32.5130

Conversions

Conversions Part 2

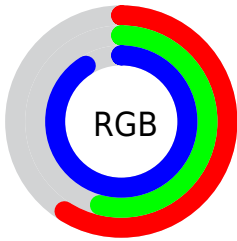
Format	Color
RYB	151, 137, 232
Decimal	9931240
CIELab	61.91, 26.86, -46.36
CIELCh	62, 53.580, 300.089
Yxy	30.2968, 0.2470, 0.2063
Android (android.graphics.Color)	4288121320 (0xFF9789E8)
YUV	152.0160, 39.4321, -0.8910
Hunter-Lab	55.0425, 21.3100, -47.9530

Details

The Yxy color **30.2968, 0.2470, 0.2063** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.4332, 0.3633, 0.4341**, and the grayscale version is **31.2411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4568, 0.2810, 0.2584**, and **12.4378, 0.2259, 0.1748** is the 20% darker color. If you saturate the color by 10%, you get **22.6591, 0.2273, 0.1720**, and if you desaturate by 10%, it is **39.6724, 0.2657, 0.2400**.

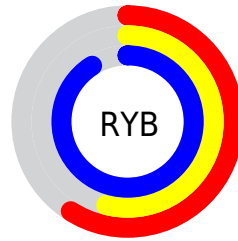
Distribution



Red (59%)

Green (54%)

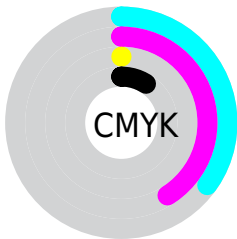
Blue (91%)



Red (59%)

Yellow (54%)

Blue (91%)

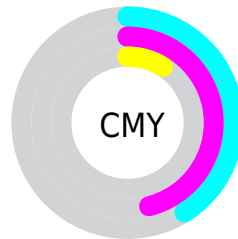


Cyan (35%)

Magenta (41%)

Yellow (0%)

Black (9%)



Cyan (41%)


Magenta (46%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2968, 0.2470, 0.2063 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 30.2968, 0.2470, 0.2063 by changing the saturation by 10% instead.

 30.2968, 0.2470,
0.2063


 30.2968, 0.2470,
0.2063


303.2855, 0.2820,
0.2659


 20.0640, 0.2379,
0.1924


 60.1312, 0.2600,
0.2273

 12.4416, 0.2262,
0.1751


 80.5016, 0.2648,
0.2354

 7.0451, 0.2105,
0.1535


 105.0200, 0.2689,
0.2424

 3.4904, 0.1890,
0.1260

134.0708, 0.2723,
0.2484

 1.3928, 0.1584,
0.0911

168.0383, 0.2752,
0.2536

 0.2114, 0.1167,
0.0288

207.3070, 0.2778,

 0.0000, 0.0000,

0.2582

0.0000

252.2613, 0.2800,
0.2623

■ 30.2968, 0.2470,
0.2063

■ 30.2968, 0.2470,
0.2063

■ 22.6591, 0.2273,
0.1720

■ 39.6724, 0.2657,
0.2400

■ 16.6483, 0.2077,
0.1390

■ 50.8809, 0.2829,
0.2718

■ 12.1459, 0.1895,
0.1097

■ 64.0144, 0.2982,
0.3008

■ 9.0155, 0.1739,
0.0864

■ 79.1577, 0.3115,
0.3267

■ 7.0952, 0.1622,
0.0708

■ 96.3906, 0.3231,
0.3496

■ 6.1699, 0.1552,
0.0629

■ 98.6068, 0.3262,
0.3512

Harmonies

Analogous

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



30.2968, 0.1929, 0.2028



30.2968, 0.2470, 0.2063



30.2968, 0.3277, 0.2337

Triad

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



30.2968, 0.2470, 0.2063



30.2968, 0.4782, 0.3999



30.2968, 0.2125, 0.3766

Complementary

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



30.2968, 0.2470, 0.2063



74.4332, 0.3633, 0.4341

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.



30.2968, 0.2805, 0.4613



30.2968, 0.2470, 0.2063



30.2968, 0.4344, 0.4574

Square

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



30.2968, 0.2470, 0.2063



30.2968, 0.4735, 0.3380



30.2968, 0.3618, 0.4888



30.2968, 0.1744, 0.2865

Rectangle

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



30.2968, 0.2470, 0.2063



30.2968, 0.3874, 0.2630



30.2968, 0.3618, 0.4888



30.2968, 0.2324, 0.4084

Sweetspot

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



30.2979, 0.2470, 0.2063



77.3894, 0.2966, 0.2977



61.9875, 0.2541, 0.3131



16.0850, 0.2946, 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.



30.2979, 0.2470, 0.2063



29.5370, 0.2307, 0.1778



35.6127, 0.2859, 0.2185



13.9885, 0.3003, 0.3049



3.4580, 0.1561, 0.0634



0.2875, 0.1674, 0.0696

Inverse Universe

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



40.1124, 0.3303, 0.2414



43.3293, 0.3347, 0.2250



68.2778, 0.3295, 0.4468



14.5768, 0.3160, 0.3092



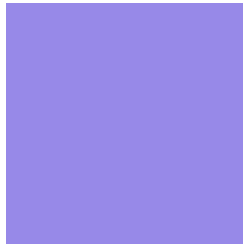
11.7980, 0.3619, 0.1767



0.8818, 0.3550, 0.1729

Previews

White Background



This preview shows how the Yxy color 30.2968, 0.2470, 0.2063 looks on a white background.

Color Contrast Check

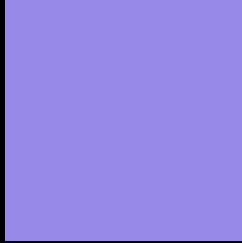
Large Text (above 18pt) WCAG AA × Fail

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 30.2968, 0.2470, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

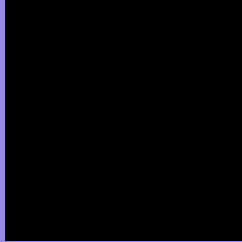
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2968, 0.2470, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 30.2968, 0.2470, 0.2063.



This preview shows how white text looks on a background with the Yxy color 30.2968, 0.2470, 0.2063.

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

30.2968, 0.2470, 0.2063

Protanopia

30.3597, 0.2192, 0.2027

Deuteranopia

30.4670, 0.2235, 0.2174



Tritanopia

30.3710, 0.2867, 0.3100

Trichromacy



Original Color

30.2968, 0.2470, 0.2063

Protanomaly

30.2714, 0.2283, 0.2041

Deuteranomaly

30.3239, 0.2312, 0.2133

Tritanomaly

30.2043, 0.2704, 0.2669

Monochromacy



Original Color

30.2968, 0.2470, 0.2063

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.8790, 0.2868, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2968, 0.2470, 0.2063 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(151, 137, 232)` looks like.

```
.text, #text, p{  
    color:rgb(151, 137, 232)  
}
```

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(151, 137, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 137, 232) }
```

Border

The CSS property to change the border of an element to Yxy 30.2968, 0.2470, 0.2063 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(151, 137, 232) }
```

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

```
.border{ border-color:rgb(151, 137, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 137, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 137, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 137, 232);  
box-shadow:4px 4px 4px 4px rgb(151, 137,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2968, 0.2470, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 137, 232) }
```

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

```
.background{ background-color: rgb(151,  
137, 232) }
```

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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