

Converting Colors

$Y_{xy}(28.3887, 0.2453, 0.2128)$

Have a look what the booklet for
Yxy(28.3887, 0.2453, 0.2128)
contains.

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Color

Yxy(28.4042, 0.2452, 0.2132)

Conversions

Conversions Part 1

Format	Color
Hex	8C88DD
RGB	140, 136, 221
RGB Percent	55%, 53%, 87%
CMY	0.4510, 0.4666, 0.1334
CMYK	0.37, 0.38, 0.00, 0.13
HSL	243°, 56%, 70%
HSV	243°, 38%, 87%
XYZ	32.6675, 28.4042, 72.1563
YIQ	146.8860, -24.9010, 27.2830

Conversions

Conversions Part 2

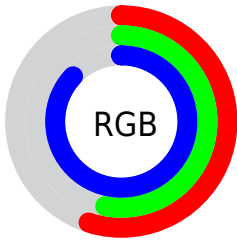
Format	Color
R _{YB}	140, 136, 221
Decimal	9210077
CIE _{Lab}	60.25, 21.56, -42.90
CIE _{LCh}	60, 48.014, 296.687
Y _{xy}	28.4042, 0.2452, 0.2132
Android (android.graphics.Color)	4287400157 (0xFF8C88DD)
YUV	146.8860, 36.5382, -6.0390
Hunter-Lab	53.2956, 16.1442, -42.9651

Details

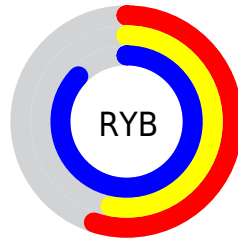
The Yxy color **28.4042, 0.2452, 0.2132** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.2345, 0.3670, 0.4251**, and the grayscale version is **28.9823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3510, 0.2725, 0.2556**, and **11.3506, 0.2238, 0.1820** is the 20% darker color. If you saturate the color by 10%, you get **21.1511, 0.2242, 0.1779**, and if you desaturate by 10%, it is **37.2928, 0.2653, 0.2473**.

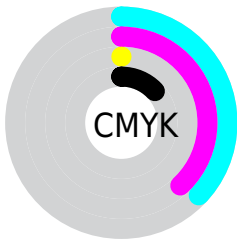
Distribution



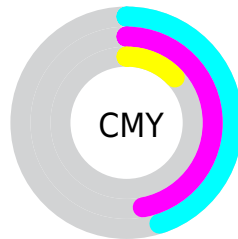
- Red (55%)
- Green (53%)
- Blue (87%)



- Red (55%)
- Yellow (53%)
- Blue (87%)



- Cyan (37%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)





- Cyan (45%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4042, 0.2452, 0.2132 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 28.4042, 0.2452, 0.2132 by changing the saturation by 10% instead.


 28.4042, 0.2452,
0.2132


 28.4042, 0.2452,
0.2132


294.3933, 0.2813,
0.2708


 18.6306, 0.2357,
0.1993


 57.1291, 0.2587,
0.2338

 11.4036, 0.2234,
0.1820


 76.8492, 0.2637,
0.2417

 6.3390, 0.2068,
0.1599


 100.6536, 0.2678,
0.2483

 3.0523, 0.1838,
0.1312

128.9266, 0.2714,
0.2541

 1.1591, 0.1506,
0.0939

162.0527, 0.2744,
0.2591

 0.0279, 0.1017,
0.0051

200.4163, 0.2770,

 0.0000, 0.0000,

0.2634

0.0000

244.4017, 0.2793,
0.2673

■ 28.4042, 0.2452,
0.2132

■ 28.4042, 0.2452,
0.2132

■ 21.1511, 0.2242,
0.1779

■ 37.2928, 0.2653,
0.2473

■ 15.4307, 0.2035,
0.1435

■ 47.9047, 0.2838,
0.2790

■ 11.1339, 0.1845,
0.1125

■ 60.3254, 0.3003,
0.3075

■ 8.1356, 0.1689,
0.0875

■ 74.6337, 0.3148,
0.3327

■ 6.2890, 0.1579,
0.0705

■ 90.9037, 0.3274,
0.3546

■ 5.3842, 0.1518,
0.0616

■ 97.9996, 0.3328,
0.3621

■ 5.2865, 0.1512,
0.0606

Harmonies

Analogous

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



28.4042, 0.1974, 0.2131



28.4042, 0.2452, 0.2132



28.4042, 0.3177, 0.2366

Triad

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



28.4042, 0.2452, 0.2132



28.4042, 0.4674, 0.3901



28.4042, 0.2266, 0.3826

Complementary

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



28.4042, 0.2452, 0.2132



68.2345, 0.3670, 0.4251

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.



28.4042, 0.2924, 0.4547



28.4042, 0.2452, 0.2132



28.4042, 0.4324, 0.4436

Square

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



28.4042, 0.2452, 0.2132



28.4042, 0.4563, 0.3323



28.4042, 0.3678, 0.4743



28.4042, 0.1869, 0.2992

Rectangle

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



28.4042, 0.2452, 0.2132



28.4042, 0.3723, 0.2629



28.4042, 0.3678, 0.4743



28.4042, 0.2462, 0.4104

Sweetspot

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



28.4053, 0.2452, 0.2132



76.8886, 0.2945, 0.2975



60.6764, 0.2590, 0.3253



15.9682, 0.2924, 0.2938



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.



28.4053, 0.2452, 0.2132



31.1685, 0.2286, 0.1853



32.6940, 0.2803, 0.2236



12.6462, 0.2988, 0.3049



3.0851, 0.1516, 0.0609



0.2104, 0.1562, 0.0634

Inverse Universe

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



37.9903, 0.3208, 0.2383



46.2218, 0.3227, 0.2211



62.6737, 0.3350, 0.4363



13.2638, 0.3145, 0.3070



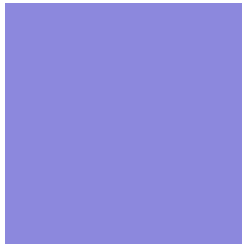
11.6563, 0.3329, 0.1608



0.7585, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 28.4042, 0.2452, 0.2132 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4042, 0.2452, 0.2132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

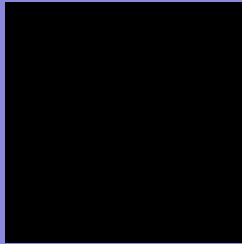
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4042, 0.2452, 0.2132

Background



This preview shows how black text looks on a background with the Yxy color 28.4042, 0.2452, 0.2132.



This preview shows how white text looks on a background with the Yxy color 28.4042, 0.2452, 0.2132.

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

28.4042, 0.2452, 0.2132

Protanopia

28.4144, 0.2254, 0.2111

Deuteranopia

28.3760, 0.2271, 0.2208



Tritanopia

28.5037, 0.2798, 0.3093

Trichromacy



Original Color

28.4042, 0.2452, 0.2132

Protanomaly

28.3489, 0.2319, 0.2120

Deuteranomaly

28.2820, 0.2330, 0.2173

Tritanomaly

28.1907, 0.2659, 0.2689

Monochromacy



Original Color

28.4042, 0.2452, 0.2132

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.6302, 0.2850, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4042, 0.2452, 0.2132 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(140, 136, 221)` looks like.

```
.text, #text, p{  
    color:rgb(140, 136, 221)  
}
```

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(140, 136, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 136, 221) }
```

Border

The CSS property to change the border of an element to Yxy 28.4042, 0.2452, 0.2132 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(140, 136, 221) }
```

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

```
.border{ border-color:rgb(140, 136, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 136, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 136, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 136, 221);  
box-shadow:4px 4px 4px 4px rgb(140, 136,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4042, 0.2452, 0.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 136, 221) }
```

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

```
.background{ background-color: rgb(140,  
136, 221) }
```

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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