

Converting Colors

$Y_{xy}(28.2282, 0.2353, 0.2007)$

Have a look what the booklet for
Yxy(28.2282, 0.2353, 0.2007)
contains.

Yxy(28.2484, 0.2352, 0.2009)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.2484, 0.2352, 0.2009)

Conversions

Conversions Part 1

Format	Color
Hex	8787E7
RGB	135, 135, 231
RGB Percent	53%, 53%, 91%
CMY	0.4707, 0.4705, 0.0942
CMYK	0.42, 0.42, 0.00, 0.09
HSL	240°, 67%, 72%
HSV	240°, 42%, 91%
XYZ	33.0713, 28.2484, 79.2896
YIQ	145.9440, -30.8160, 29.8560

Conversions

Conversions Part 2

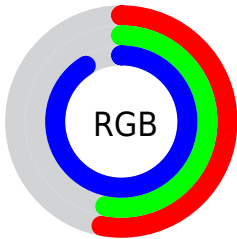
Format	Color
RYB	135, 135, 231
Decimal	8882151
CIELab	60.11, 23.60, -48.71
CIElCh	60, 54.124, 295.855
Yxy	28.2484, 0.2352, 0.2009
Android (android.graphics.Color)	4287072231 (0xFF8787E7)
YUV	145.9440, 41.9326, -9.5979
Hunter-Lab	53.1492, 18.0578, -51.2461

Details

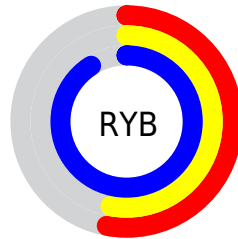
The Yxy color **28.2484, 0.2352, 0.2009** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.8365, 0.3747, 0.4314**, and the grayscale version is **28.5538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3929, 0.2697, 0.2539**, and **11.2544, 0.2107, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **20.7783, 0.2136, 0.1651**, and if you desaturate by 10%, it is **37.5323, 0.2565, 0.2361**.

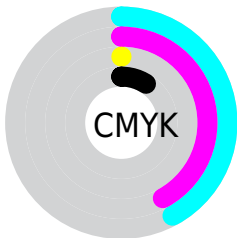
Distribution



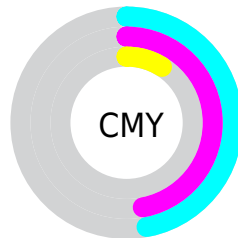
- Red (53%)
- Green (53%)
- Blue (91%)



- Red (53%)
- Yellow (53%)
- Blue (91%)



- Cyan (42%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)





- Cyan (47%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2484, 0.2352, 0.2009 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 28.2484, 0.2352, 0.2009 by changing the saturation by 10% instead.


 28.2484, 0.2352,
0.2009


 28.2484, 0.2352,
0.2009


293.6520, 0.2763,
0.2637

 18.5130, 0.2246,
0.1861


 56.8808, 0.2505,
0.2232

 11.3189, 0.2110,
0.1679


 76.5465, 0.2561,
0.2317

 6.2818, 0.1930,
0.1450


 100.2912, 0.2608,
0.2390

 3.0172, 0.1685,
0.1161

128.4992, 0.2649,
0.2453

 1.1407, 0.1345,
0.0800

161.5548, 0.2683,
0.2508

 0.0125, 0.0879,
0.0019

199.8426, 0.2713,

 0.0000, 0.0000,

0.2556

0.0000

243.7468, 0.2740,
0.2599

■ 28.2484, 0.2352,
0.2009

■ 28.2484, 0.2352,
0.2009

■ 20.7783, 0.2136,
0.1651

■ 37.5323, 0.2565,
0.2361

■ 15.0008, 0.1930,
0.1311

■ 48.7346, 0.2764,
0.2690

■ 10.7845, 0.1752,
0.1017

■ 61.9558, 0.2945,
0.2988

■ 7.9775, 0.1617,
0.0794

■ 77.2881, 0.3104,
0.3252

■ 6.3977, 0.1535,
0.0657

■ 94.8183, 0.3243,
0.3481

■ 5.7710, 0.1500,
0.0600

■ 98.5479, 0.3268,
0.3523

Harmonies

Analogous

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



28.2484, 0.1842, 0.2009



28.2484, 0.2352, 0.2009



28.2484, 0.3151, 0.2258

Triad

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



28.2484, 0.2352, 0.2009



28.2484, 0.4860, 0.3920



28.2484, 0.2175, 0.3924

Complementary

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



28.2484, 0.2352, 0.2009



75.8365, 0.3747, 0.4314

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.



28.2484, 0.2905, 0.4748



28.2484, 0.2352, 0.2009



28.2484, 0.4463, 0.4531

Square

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



28.2484, 0.2352, 0.2009



28.2484, 0.4735, 0.3289



28.2484, 0.3742, 0.4925



28.2484, 0.1739, 0.2963

Rectangle

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



28.2484, 0.2352, 0.2009



28.2484, 0.3769, 0.2541



28.2484, 0.3742, 0.4925



28.2484, 0.2392, 0.4246

Sweetspot

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



28.2494, 0.2352, 0.2009



76.6677, 0.2936, 0.2974



67.9620, 0.2567, 0.3308



15.9167, 0.2913, 0.2937



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.



28.2494, 0.2352, 0.2009



27.0986, 0.2163, 0.1697



32.9538, 0.2726, 0.2128



13.8886, 0.2980, 0.3047



3.2368, 0.1500, 0.0600



0.2397, 0.1501, 0.0602

Inverse Universe

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



36.0517, 0.4199, 0.3293



38.1156, 0.4559, 0.3293



69.1450, 0.3399, 0.4448



14.3681, 0.3292, 0.3290



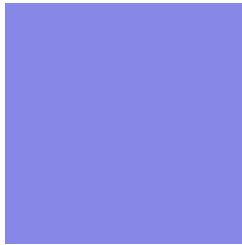
9.5245, 0.6400, 0.3299



0.7039, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 28.2484, 0.2352, 0.2009 looks on a white background.

Color Contrast Check

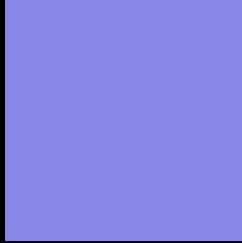
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2484, 0.2352, 0.2009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

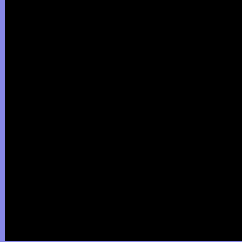
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2484, 0.2352, 0.2009

Background



This preview shows how black text looks on a background with the Yxy color 28.2484, 0.2352, 0.2009.



This preview shows how white text looks on a background with the Yxy color 28.2484, 0.2352, 0.2009.

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

28.2484, 0.2352, 0.2009

Protanopia

28.5246, 0.2155, 0.1989

Deuteranopia

28.5046, 0.2156, 0.2098



Tritanopia

28.2729, 0.2721, 0.3090

Trichromacy



Original Color

28.2484, 0.2352, 0.2009

Protanomaly

28.2453, 0.2220, 0.1986

Deuteranomaly

28.1424, 0.2213, 0.2051

Tritanomaly

28.1237, 0.2573, 0.2640

Monochromacy



Original Color

28.2484, 0.2352, 0.2009

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.2711, 0.2804, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2484, 0.2352, 0.2009 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(135, 135, 231)` looks like.

```
.text, #text, p{  
    color:rgb(135, 135, 231)  
}
```

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(135, 135, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 135, 231) }
```

Border

The CSS property to change the border of an element to Yxy 28.2484, 0.2352, 0.2009 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(135, 135, 231) }
```

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

```
.border{ border-color:rgb(135, 135, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 135, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 135, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 135, 231);  
box-shadow:4px 4px 4px 4px rgb(135, 135,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2484, 0.2352, 0.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 135, 231) }
```

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

```
.background{ background-color: rgb(135,  
135, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor