

Converting Colors

$Y_{xy}(28.0725, 0.2213, 0.1917)$

Have a look what the booklet for
Yxy(28.0725, 0.2213, 0.1917)
contains.

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Color

Yxy(28.2475, 0.2215, 0.1922)

Conversions

Conversions Part 1

Format	Color
Hex	7989F0
RGB	121, 137, 240
RGB Percent	47%, 54%, 94%
CMY	0.5256, 0.4627, 0.0589
CMYK	0.50, 0.43, 0.00, 0.06
HSL	232°, 80%, 71%
HSV	232°, 50%, 94%
XYZ	32.5537, 28.2475, 86.1681
YIQ	143.9580, -42.5990, 28.6410

Conversions

Conversions Part 2

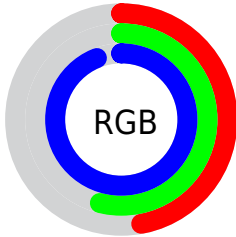
Format	Color
R _Y B	121, 135, 240
Decimal	7965168
CIE Lab	60.11, 21.76, -53.77
CIE LCh	60, 58.005, 292.036
Yxy	28.2475, 0.2215, 0.1922
Android (android.graphics.Color)	4286155248 (0xFF7989F0)
YUV	143.9580, 47.3487, -20.1342
Hunter-Lab	53.1484, 16.3227, -58.9215

Details

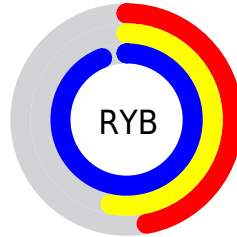
The Yxy color **28.2475, 0.2215, 0.1922** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.1841, 0.3932, 0.4358**, and the grayscale version is **27.6894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6306, 0.2612, 0.2545**, and **11.3904, 0.1950, 0.1591** is the 20% darker color. If you saturate the color by 10%, you get **21.3789, 0.2018, 0.1602**, and if you desaturate by 10%, it is **36.6850, 0.2418, 0.2241**.

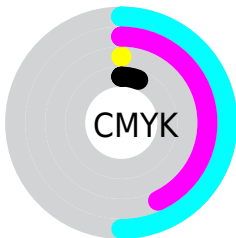
Distribution



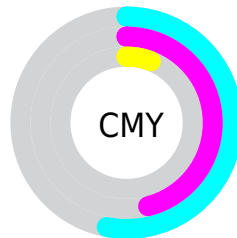
- Red (47%)
- Green (54%)
- Blue (94%)



- Red (47%)
- Yellow (53%)
- Blue (94%)



- Cyan (50%)
- Magenta (43%)
- Yellow (0%)
- Black (6%)




- Cyan (53%)
- Magenta (46%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2475, 0.2215, 0.1922 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 28.2475, 0.2215, 0.1922 by changing the saturation by 10% instead.


 28.2475, 0.2215,
0.1922


 28.2475, 0.2215,
0.1922


293.6477, 0.2691,
0.2588


 18.5123, 0.2096,
0.1768


 56.8793, 0.2390,
0.2156

 11.3184, 0.1944,
0.1580


 76.5448, 0.2455,
0.2247

 6.2814, 0.1748,
0.1346


 100.2891, 0.2510,
0.2324

 3.0170, 0.1489,
0.1058

128.4967, 0.2557,
0.2391

 1.1406, 0.1144,
0.0708

161.5520, 0.2597,
0.2450

 0.0124, 0.0684,
0.0016

199.8393, 0.2633,

 0.0000, 0.0000,

0.2501

0.0000

243.7431, 0.2663,
0.2547

■ 28.2475, 0.2215,
0.1922

■ 28.2475, 0.2215,
0.1922

■ 21.3789, 0.2018,
0.1602

■ 36.6850, 0.2418,
0.2241

■ 15.9785, 0.1839,
0.1300

■ 46.7780, 0.2617,
0.2545

■ 11.9378, 0.1693,
0.1037

■ 58.6100, 0.2805,
0.2825

■ 9.1318, 0.1588,
0.0831

■ 72.2581, 0.2978,
0.3076

■ 7.3958, 0.1527,
0.0693

■ 87.7946, 0.3133,
0.3298

■ 7.3434, 0.1525,
0.0689

■ 99.0708, 0.3214,
0.3434

Harmonies

Analogous

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



28.2475, 0.1724, 0.1954



28.2475, 0.2215, 0.1922



28.2475, 0.3026, 0.2152

Triad

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



28.2475, 0.2215, 0.1922



28.2475, 0.4989, 0.3851



28.2475, 0.2192, 0.4108

Complementary

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



28.2475, 0.2215, 0.1922



73.1841, 0.3932, 0.4358

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.



28.2475, 0.2990, 0.4936



28.2475, 0.2215, 0.1922



28.2475, 0.4613, 0.4514

Square

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



28.2475, 0.2215, 0.1922



28.2475, 0.4787, 0.3194



28.2475, 0.3873, 0.5006



28.2475, 0.1693, 0.3048

Rectangle

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



28.2475, 0.2215, 0.1922



28.2475, 0.3684, 0.2431



28.2475, 0.3873, 0.5006



28.2475, 0.2433, 0.4447

Sweetspot

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



28.2485, 0.2215, 0.1922



74.1269, 0.2886, 0.2943



71.6594, 0.2559, 0.3510



15.1718, 0.2849, 0.2889



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.



28.2485, 0.2215, 0.1922



24.1191, 0.2007, 0.1583



27.7038, 0.2488, 0.1834



15.5723, 0.2980, 0.3079



4.1288, 0.1529, 0.0705



0.4507, 0.1581, 0.0893

Inverse Universe

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



33.9965, 0.4337, 0.3118



32.1836, 0.4766, 0.3096



75.7463, 0.3549, 0.4636



15.7935, 0.3272, 0.3258



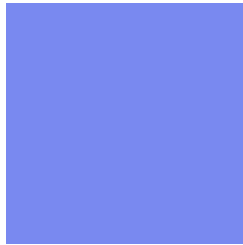
10.2102, 0.6224, 0.3202



0.8602, 0.5923, 0.3036

Previews

White Background



This preview shows how the Yxy color 28.2475, 0.2215, 0.1922 looks on a white background.

Color Contrast Check

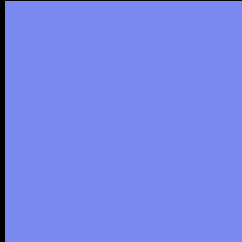
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2475, 0.2215, 0.1922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

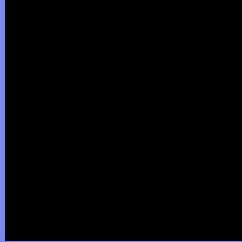
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2475, 0.2215, 0.1922

Background



This preview shows how black text looks on a background with the Yxy color 28.2475, 0.2215, 0.1922.



This preview shows how white text looks on a background with the Yxy color 28.2475, 0.2215, 0.1922.

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

28.2475, 0.2215, 0.1922

Protanopia

28.3481, 0.2096, 0.1903

Deuteranopia

28.3087, 0.2052, 0.1989



Tritanopia

28.1323, 0.2542, 0.3067

Trichromacy



Original Color

28.2475, 0.2215, 0.1922

Protanomaly

28.4154, 0.2134, 0.1910

Deuteranomaly

28.1194, 0.2099, 0.1955

Tritanomaly

27.7819, 0.2403, 0.2567

Monochromacy



Original Color

28.2475, 0.2215, 0.1922

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.5387, 0.2731, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2475, 0.2215, 0.1922 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(121, 137, 240)` looks like.

```
.text, #text, p{  
    color:rgb(121, 137, 240)  
}
```

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(121, 137, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 137, 240) }
```

Border

The CSS property to change the border of an element to Yxy 28.2475, 0.2215, 0.1922 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(121, 137, 240) }
```

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

```
.border{ border-color:rgb(121, 137, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 137, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 137, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 137, 240);  
box-shadow:4px 4px 4px 4px rgb(121, 137,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2475, 0.2215, 0.1922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 137, 240) }
```

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

```
.background{ background-color: rgb(121,  
137, 240) }
```

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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