

Converting Colors

$Y_{xy}(28.4150, 0.2227, 0.1953)$

Have a look what the booklet for
Yxy(28.4150, 0.2227, 0.1953)
contains.

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Color

Yxy(28.4150, 0.2227, 0.1953)

Conversions

Conversions Part 1

Format	Color
Hex	798AEE
RGB	121, 138, 238
RGB Percent	47%, 54%, 93%
CMY	0.5257, 0.4588, 0.0666
CMYK	0.49, 0.42, 0.00, 0.07
HSL	231°, 78%, 70%
HSV	231°, 49%, 93%
XYZ	32.4015, 28.4150, 84.6776
YIQ	144.3170, -42.2320, 27.4960

Conversions

Conversions Part 2

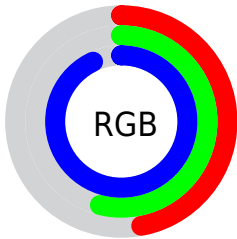
Format	Color
RYB	121, 136, 238
Decimal	7965422
CIELab	60.26, 20.57, -52.44
CIElCh	60, 56.326, 291.419
Yxy	28.4150, 0.2227, 0.1953
Android (android.graphics.Color)	4286155502 (0xFF798AEE)
YUV	144.3170, 46.1857, -20.4490
Hunter-Lab	53.3057, 15.2151, -56.8698

Details

The Yxy color **28.4150, 0.2227, 0.1953** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.2422, 0.3931, 0.4338**, and the grayscale version is **27.8442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0653, 0.2614, 0.2557**, and **11.3077, 0.1958, 0.1610** is the 20% darker color. If you saturate the color by 10%, you get **21.6057, 0.2031, 0.1636**, and if you desaturate by 10%, it is **36.7423, 0.2429, 0.2268**.

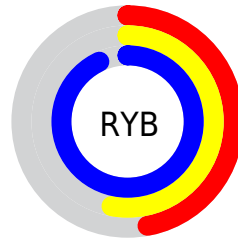
Distribution



Red (47%)

Green (54%)

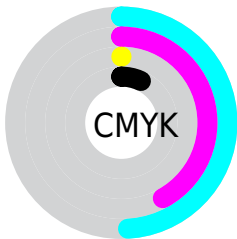
Blue (93%)



Red (47%)

Yellow (53%)

Blue (93%)

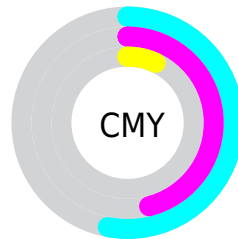


Cyan (49%)

Magenta (42%)

Yellow (0%)

Black (7%)



Cyan (53%)

Magenta (46%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4150, 0.2227, 0.1953 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 28.4150, 0.2227, 0.1953 by changing the saturation by 10% instead.

■ 28.4150, 0.2227,
0.1953

■ 28.4150, 0.2227,
0.1953

■ 294.4447, 0.2697,
0.2606

■ 18.6387, 0.2109,
0.1801

■ 57.1463, 0.2399,
0.2183

■ 11.4095, 0.1959,
0.1614

■ 76.8702, 0.2464,
0.2272

■ 6.3430, 0.1764,
0.1382

■ 100.6787, 0.2518,
0.2348

■ 3.0547, 0.1506,
0.1093

■ 128.9562, 0.2564,
0.2414

■ 1.1604, 0.1161,
0.0740

■ 162.0872, 0.2604,
0.2471

■ 0.0290, 0.0692,
0.0038

■ 200.4560, 0.2639,

■ 0.0000, 0.0000,

0.2522

0.0000

244.4470, 0.2670,
0.2566

■ 28.4150, 0.2227,
0.1953

■ 28.4150, 0.2227,
0.1953

■ 21.6057, 0.2031,
0.1636

■ 36.7423, 0.2429,
0.2268

■ 16.2186, 0.1852,
0.1334

■ 46.6694, 0.2627,
0.2567

■ 12.1513, 0.1704,
0.1068

■ 58.2759, 0.2813,
0.2842

■ 9.2860, 0.1597,
0.0857

■ 71.6350, 0.2984,
0.3089

■ 7.4702, 0.1532,
0.0711

■ 86.8157, 0.3139,
0.3307

■ 7.3590, 0.1528,
0.0702

■ 98.9540, 0.3226,
0.3454

Harmonies

Analogous

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



28.4150, 0.1752, 0.1992



28.4150, 0.2227, 0.1953



28.4150, 0.3012, 0.2173

Triad

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



28.4150, 0.2227, 0.1953



28.4150, 0.4940, 0.3832



28.4150, 0.2234, 0.4102

Complementary

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



28.4150, 0.2227, 0.1953



71.2422, 0.3931, 0.4338

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.



28.4150, 0.3018, 0.4888



28.4150, 0.2227, 0.1953



28.4150, 0.4590, 0.4477

Square

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



28.4150, 0.2227, 0.1953



28.4150, 0.4726, 0.3189



28.4150, 0.3877, 0.4952



28.4150, 0.1737, 0.3079

Rectangle

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



28.4150, 0.2227, 0.1953



28.4150, 0.3649, 0.2444



28.4150, 0.3877, 0.4952



28.4150, 0.2472, 0.4426

Sweetspot

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



28.4160, 0.2227, 0.1953



74.3503, 0.2886, 0.2947



70.4106, 0.2562, 0.3507



15.2248, 0.2849, 0.2894



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.



28.4160, 0.2227, 0.1953



25.2432, 0.2030, 0.1635



27.5076, 0.2495, 0.1847



15.6006, 0.2980, 0.3082



4.2175, 0.1533, 0.0719



0.4641, 0.1588, 0.0915

Inverse Universe

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



33.6761, 0.4305, 0.3105



32.7907, 0.4702, 0.3081



74.4132, 0.3546, 0.4625



15.7964, 0.3270, 0.3256



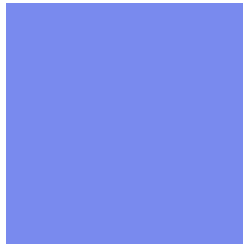
10.2191, 0.6202, 0.3190



0.8616, 0.5888, 0.3017

Previews

White Background



This preview shows how the Yxy color 28.4150, 0.2227, 0.1953 looks on a white background.

Color Contrast Check

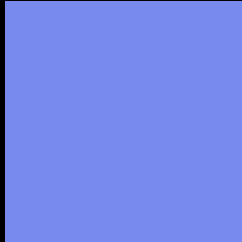
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4150, 0.2227, 0.1953 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 28.4150, 0.2227, 0.1953

Background



This preview shows how black text looks on a background with the Yxy color 28.4150, 0.2227, 0.1953.



This preview shows how white text looks on a background with the Yxy color 28.4150, 0.2227, 0.1953.

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

28.4150, 0.2227, 0.1953

Protanopia

28.6399, 0.2126, 0.1948

Deuteranopia

28.3816, 0.2078, 0.2013



Tritanopia

28.5170, 0.2551, 0.3085

Trichromacy



Original Color

28.4150, 0.2227, 0.1953

Protanomaly

28.6560, 0.2161, 0.1954

Deuteranomaly

28.1698, 0.2123, 0.1979

Tritanomaly

28.1114, 0.2419, 0.2598

Monochromacy



Original Color

28.4150, 0.2227, 0.1953

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.7946, 0.2740, 0.2734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4150, 0.2227, 0.1953 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, 138, 238)` looks like.

```
.text, #text, p{  
    color:rgb(121, 138, 238)  
}
```

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, 138, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 138, 238) }
```

Border

The CSS property to change the border of an element to Yxy 28.4150, 0.2227, 0.1953 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, 138, 238) }
```

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

```
.border{ border-color:rgb(121, 138, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 138, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 138, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 138, 238);  
box-shadow:4px 4px 4px 4px rgb(121, 138,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4150, 0.2227, 0.1953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 138, 238) }
```

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

```
.background{ background-color: rgb(121,  
138, 238) }
```

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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