

Converting Colors

$Y_{xy}(29.3107, 0.2064, 0.1569)$

Have a look what the booklet for
Yxy(29.3107, 0.2064, 0.1569)
contains.

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Color

Yxy(27.8126, 0.2156, 0.1732)

Conversions

Conversions Part 1

Format	Color
Hex	7D83FF
RGB	125, 131, 255
RGB Percent	49%, 51%, 100%
CMY	0.5098, 0.4862, 0.0000
CMYK	0.51, 0.49, 0.00, 0.00
HSL	237°, 100%, 75%
HSV	237°, 51%, 100%
XYZ	34.6212, 27.8126, 98.1470
YIQ	143.3420, -43.3800, 37.2920

Conversions

Conversions Part 2

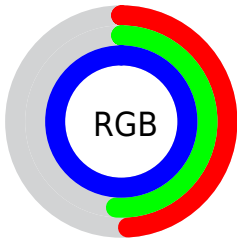
Format	Color
RYB	125, 131, 255
Decimal	8225791
CIELab	59.72, 30.71, -62.65
CIElCh	60, 69.770, 296.114
Yxy	27.8126, 0.2156, 0.1732
Android (android.graphics.Color)	4286415871 (0xFF7D83FF)
YUV	143.3420, 55.0474, -16.0859
Hunter-Lab	52.7377, 24.8908, -73.4248

Details

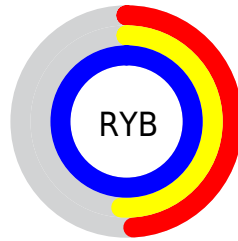
The Yxy color **27.8126, 0.2156, 0.1732** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.4765, 0.3902, 0.4479**, and the grayscale version is **27.4009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6913, 0.2638, 0.2481**, and **11.0899, 0.1877, 0.1380** is the 20% darker color. If you saturate the color by 10%, you get **20.3506, 0.1952, 0.1395**, and if you desaturate by 10%, it is **37.3018, 0.2369, 0.2080**.

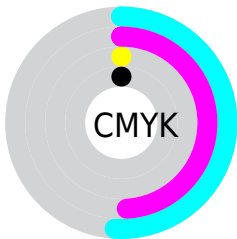
Distribution



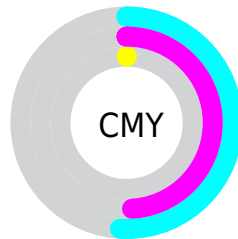
- Red (49%)
- Green (51%)
- Blue (100%)



- Red (49%)
- Yellow (51%)
- Blue (100%)



- Cyan (51%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8126, 0.2156, 0.1732 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 27.8126, 0.2156, 0.1732 by changing the saturation by 10% instead.


 27.8126, 0.2156,
0.1732

 27.8126, 0.2156,
0.1732


291.5704, 0.2661,
0.2468


 18.1844, 0.2031,
0.1569


 56.1851, 0.2340,
0.1985

 11.0825, 0.1875,
0.1375


 75.6983, 0.2409,
0.2084

 6.1223, 0.1675,
0.1141


 99.2752, 0.2468,
0.2170

 2.9196, 0.1417,
0.0864

127.3003, 0.2518,
0.2245

 1.0899, 0.1083,
0.0547

160.1580, 0.2561,
0.2311

 0.0000, 0.0682,
0.0000

198.2326, 0.2599,

 0.0000, 0.0000,

0.2370

0.0000

241.9086, 0.2632,
0.2421

■ 27.8126, 0.2156,
0.1732

■ 27.8126, 0.2156,
0.1732

■ 20.3506, 0.1952,
0.1395

■ 37.3018, 0.2369,
0.2080

■ 14.7656, 0.1773,
0.1095

■ 48.9481, 0.2578,
0.2418

■ 10.8913, 0.1634,
0.0856

■ 62.8739, 0.2775,
0.2732

■ 8.5305, 0.1545,
0.0695

■ 79.1916, 0.2954,
0.3016

■ 7.4780, 0.1506,
0.0619

■ 98.0061, 0.3113,
0.3267

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



27.8126, 0.1559, 0.1714



27.8126, 0.2156, 0.1732



27.8126, 0.3146, 0.2027

Triad

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



27.8126, 0.2156, 0.1732



27.8126, 0.5288, 0.3968



27.8126, 0.1899, 0.4102

Complementary

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



27.8126, 0.2156, 0.1732



90.4765, 0.3902, 0.4479

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.



27.8126, 0.2776, 0.5247



27.8126, 0.2156, 0.1732



27.8126, 0.4719, 0.4755

Square

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



27.8126, 0.2156, 0.1732



27.8126, 0.5198, 0.3229



27.8126, 0.3799, 0.5377



27.8126, 0.1411, 0.2814

Rectangle

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



27.8126, 0.2156, 0.1732



27.8126, 0.3949, 0.2360



27.8126, 0.3799, 0.5377



27.8126, 0.2156, 0.4557

Sweetspot

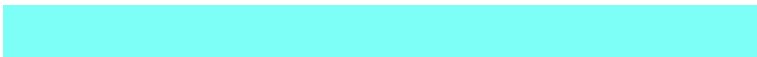
The Sweet Spot groups the original color and five complimentary colors.



27.8135, 0.2156, 0.1732



72.3468, 0.2884, 0.2906



82.6844, 0.2491, 0.3363



14.7498, 0.2847, 0.2846



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.



27.8135, 0.2156, 0.1732



20.3409, 0.1952, 0.1395



32.0118, 0.2566, 0.1825



17.5125, 0.2978, 0.3056



3.9648, 0.1508, 0.0627



0.4314, 0.1526, 0.0693

Inverse Universe

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



37.5625, 0.4533, 0.3233



31.3234, 0.4987, 0.3229



84.7995, 0.3471, 0.4721



18.0007, 0.3287, 0.3279



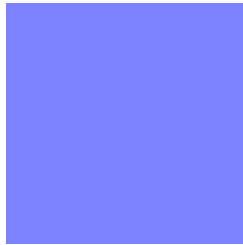
11.1282, 0.6354, 0.3274



1.0881, 0.6245, 0.3214

Previews

White Background



This preview shows how the Yxy color 27.8126, 0.2156, 0.1732 looks on a white background.

Color Contrast Check

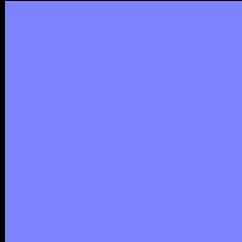
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8126, 0.2156, 0.1732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

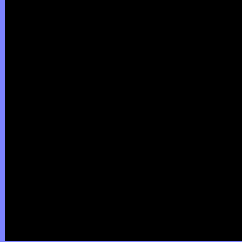
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8126, 0.2156, 0.1732

Background



This preview shows how black text looks on a background with the Yxy color 27.8126, 0.2156, 0.1732.



This preview shows how white text looks on a background with the Yxy color 27.8126, 0.2156, 0.1732.

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

27.8126, 0.2156, 0.1732

Protanopia

28.1000, 0.1996, 0.1778

Deuteranopia

27.9829, 0.1899, 0.1829



Tritanopia

27.6599, 0.2532, 0.3065

Trichromacy



Original Color

27.8126, 0.2156, 0.1732

Protanomaly

27.9361, 0.2046, 0.1760

Deuteranomaly

27.4677, 0.1960, 0.1780

Tritanomaly

27.1495, 0.2370, 0.2453

Monochromacy



Original Color

27.8126, 0.2156, 0.1732

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.1602, 0.2688, 0.2604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8126, 0.2156, 0.1732 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(125, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 131, 255)  
}
```

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(125, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 131, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.8126, 0.2156, 0.1732 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(125, 131, 255) }
```

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

```
.border{ border-color:rgb(125, 131, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 131,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8126, 0.2156, 0.1732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 131, 255) }
```

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

```
.background{ background-color: rgb(125,  
131, 255) }
```

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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