

Converting Colors

$Y_{xy}(27.0183, 0.2149, 0.1696)$

Have a look what the booklet for
Yxy(27.0183, 0.2149, 0.1696)
contains.

Yxy(27.0183, 0.2149, 0.1696)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.0183, 0.2149, 0.1696)

Conversions

Conversions Part 1

Format	Color
Hex	7D80FF
RGB	125, 128, 255
RGB Percent	49%, 50%, 100%
CMY	0.5097, 0.4981, 0.0000
CMYK	0.51, 0.50, 0.00, 0.00
HSL	239°, 100%, 75%
HSV	239°, 51%, 100%
XYZ	34.2349, 27.0183, 98.0529
YIQ	141.5810, -42.5550, 38.8610

Conversions

Conversions Part 2

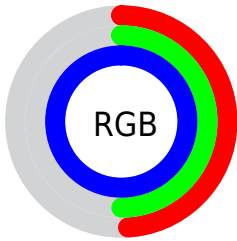
Format	Color
RYB	125, 128, 255
Decimal	8225023
CIELab	58.99, 32.51, -63.84
CIELCh	59, 71.643, 296.989
Yxy	27.0183, 0.2149, 0.1696
Android (android.graphics.Color)	4286415103 (0xFF7D80FF)
YUV	141.5810, 55.9156, -14.5415
Hunter-Lab	51.9791, 26.6015, -75.4586

Details

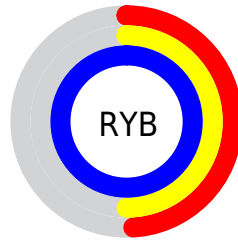
The Yxy color **27.0183, 0.2149, 0.1696** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **92.3940, 0.3887, 0.4502**, and the grayscale version is **26.6645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5820, 0.2641, 0.2448**, and **10.6473, 0.1867, 0.1338** is the 20% darker color. If you saturate the color by 10%, you get **19.6157, 0.1944, 0.1356**, and if you desaturate by 10%, it is **36.5060, 0.2365, 0.2050**.

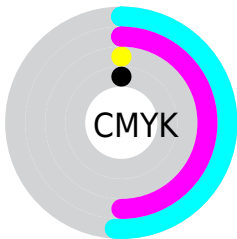
Distribution



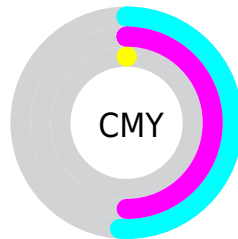
- Red (49%)
- Green (50%)
- Blue (100%)



- Red (49%)
- Yellow (50%)
- Blue (100%)



- Cyan (51%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0183, 0.2149, 0.1696 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 27.0183, 0.2149, 0.1696 by changing the saturation by 10% instead.


 27.0183, 0.2149,
0.1696

 27.0183, 0.2149,
0.1696


287.7457, 0.2660,
0.2448


 17.5870, 0.2023,
0.1531


 54.9132, 0.2335,
0.1954

 10.6539, 0.1864,
0.1333


 74.1456, 0.2406,
0.2055

 5.8346, 0.1661,
0.1098


 97.4138, 0.2465,
0.2143

 2.7448, 0.1399,
0.0820

125.1022, 0.2516,
0.2220

 1.0000, 0.1062,
0.0507

157.5952, 0.2559,
0.2287

 0.0000, 0.0654,
0.0000

195.2772, 0.2597,

 0.0000, 0.0000,

0.2347

0.0000

238.5326, 0.2631,
0.2400

■ 27.0183, 0.2149,
0.1696

■ 27.0183, 0.2149,
0.1696

■ 19.6157, 0.1944,
0.1356

■ 36.5060, 0.2365,
0.2050

■ 14.1460, 0.1764,
0.1057

■ 48.2256, 0.2576,
0.2396

■ 10.4277, 0.1626,
0.0824

■ 62.3041, 0.2774,
0.2719

■ 8.2473, 0.1540,
0.0674

■ 78.8609, 0.2954,
0.3010

■ 7.3456, 0.1503,
0.0609

■ 98.0070, 0.3113,
0.3267

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.0183, 0.1530, 0.1667



27.0183, 0.2149, 0.1696



27.0183, 0.3178, 0.2005

Triad

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



27.0183, 0.2149, 0.1696



27.0183, 0.5341, 0.3992



27.0183, 0.1835, 0.4090

Complementary

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



27.0183, 0.2149, 0.1696



92.3940, 0.3887, 0.4502

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.



27.0183, 0.2723, 0.5310



27.0183, 0.2149, 0.1696



27.0183, 0.4729, 0.4805

Square

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



27.0183, 0.2149, 0.1696



27.0183, 0.5284, 0.3237



27.0183, 0.3773, 0.5456



27.0183, 0.1355, 0.2758

Rectangle

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



27.0183, 0.2149, 0.1696



27.0183, 0.4013, 0.2348



27.0183, 0.3773, 0.5456



27.0183, 0.2094, 0.4570

Sweetspot

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



27.0165, 0.2149, 0.1696



71.8784, 0.2884, 0.2897



82.8266, 0.2482, 0.3338



14.6390, 0.2846, 0.2835



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.



27.0165, 0.2149, 0.1696



19.5946, 0.1943, 0.1355



32.2954, 0.2584, 0.1832



17.4437, 0.2978, 0.3050



3.8668, 0.1504, 0.0614



0.3987, 0.1513, 0.0646

Inverse Universe

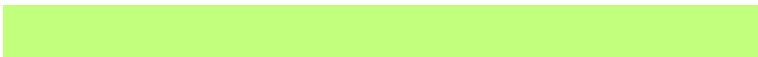
The Inverse Universe completely reimagines the original color for something new.



37.4938, 0.4569, 0.3264



31.2481, 0.5033, 0.3263



84.5171, 0.3457, 0.4727



17.9938, 0.3291, 0.3285



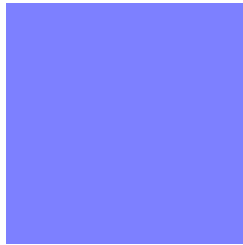
11.1183, 0.6378, 0.3287



1.0848, 0.6323, 0.3257

Previews

White Background



This preview shows how the Yxy color 27.0183, 0.2149, 0.1696 looks on a white background.

Color Contrast Check

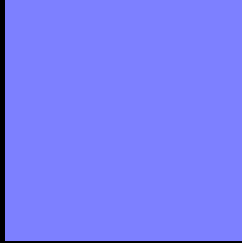
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0183, 0.2149, 0.1696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

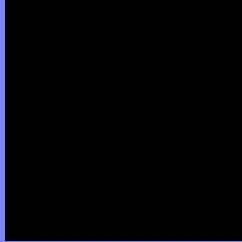
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0183, 0.2149, 0.1696

Background



This preview shows how black text looks on a background with the Yxy color 27.0183, 0.2149, 0.1696.



This preview shows how white text looks on a background with the Yxy color 27.0183, 0.2149, 0.1696.

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

27.0183, 0.2149, 0.1696

Protanopia

27.2818, 0.1970, 0.1745

Deuteranopia

27.3429, 0.1874, 0.1815



Tritanopia

26.9081, 0.2547, 0.3080

Trichromacy



Original Color

27.0183, 0.2149, 0.1696

Protanomaly

26.9228, 0.2023, 0.1717

Deuteranomaly

26.5073, 0.1928, 0.1751

Tritanomaly

26.4573, 0.2377, 0.2447

Monochromacy



Original Color

27.0183, 0.2149, 0.1696

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.5445, 0.2693, 0.2586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0183, 0.2149, 0.1696 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, 128, 255)` looks like.

```
.text, #text, p{  
  color:rgb(125, 128, 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, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.0183, 0.2149, 0.1696 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, 128, 255) }
```

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

```
.border{ border-color:rgb(125, 128, 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, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0183, 0.2149, 0.1696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 128, 255) }
```

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

```
.background{ background-color: rgb(125,  
128, 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](#).

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