

Converting Colors

$Y_{xy}(28.0651, 0.2219, 0.1678)$

Have a look what the booklet for
Yxy(28.0651, 0.2219, 0.1678)
contains.

Yxy(27.7172, 0.2241, 0.1710)	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(27.7172, 0.2241, 0.1710)

Conversions

Conversions Part 1

Format	Color
Hex	8C7EFF
RGB	140, 126, 255
RGB Percent	55%, 49%, 100%
CMY	0.4510, 0.5059, 0.0000
CMYK	0.45, 0.51, 0.00, 0.00
HSL	247°, 100%, 75%
HSV	247°, 51%, 100%
XYZ	36.3241, 27.7172, 98.0476
YIQ	144.8920, -33.0650, 43.0870

Conversions

Conversions Part 2

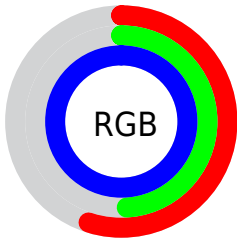
Format	Color
R_{YB}	140, 126, 255
Decimal	9207551
CIE _{Lab}	59.63, 36.84, -62.73
CIE _{LCh}	60, 72.752, 300.427
Yxy	27.7172, 0.2241, 0.1710
Android (android.graphics.Color)	4287397631 (0xFF8C7EFF)
YUV	144.8920, 54.2832, -4.2903
Hunter-Lab	52.6471, 31.0244, -73.5660

Details

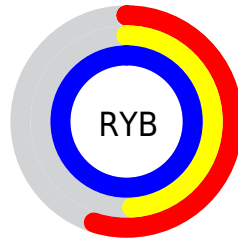
The Yxy color **27.7172, 0.2241, 0.1710** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **91.7315, 0.3772, 0.4564**, and the grayscale version is **28.0548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6023, 0.2738, 0.2447**, and **11.0444, 0.1976, 0.1360** is the 20% darker color. If you saturate the color by 10%, you get **20.2311, 0.2040, 0.1375**, and if you desaturate by 10%, it is **37.2741, 0.2445, 0.2059**.

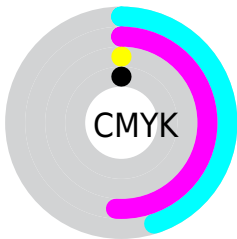
Distribution



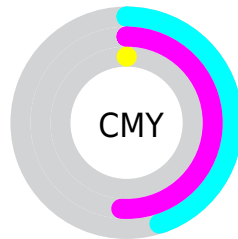
- Red (55%)
- Green (49%)
- Blue (100%)



- Red (55%)
- Yellow (49%)
- Blue (100%)



- Cyan (45%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7172, 0.2241, 0.1710 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 27.7172, 0.2241, 0.1710 by changing the saturation by 10% instead.


 27.7172, 0.2241,
0.1710


 27.7172, 0.2241,
0.1710


291.1131, 0.2709,
0.2450


 18.1126, 0.2124,
0.1548


 56.0326, 0.2413,
0.1963

 11.0309, 0.1976,
0.1354


 75.5122, 0.2477,
0.2063

 6.0876, 0.1785,
0.1122


 99.0523, 0.2531,
0.2150

 2.8984, 0.1535,
0.0847

127.0372, 0.2577,
0.2226

 1.0789, 0.1207,
0.0535

159.8513, 0.2617,
0.2292

 0.0000, 0.0806,
0.0000

197.8791, 0.2651,

 0.0000, 0.0000,

0.2351

0.0000

241.5049, 0.2682,
0.2403

■ 27.7172, 0.2241,
0.1710

■ 27.7172, 0.2241,
0.1710

■ 20.2311, 0.2040,
0.1375

■ 37.2741, 0.2445,
0.2059

■ 14.6599, 0.1855,
0.1078

■ 49.0387, 0.2640,
0.2402

■ 10.8283, 0.1702,
0.0845

■ 63.1380, 0.2819,
0.2723

■ 8.5274, 0.1592,
0.0691

■ 79.6887, 0.2979,
0.3016

■ 7.4617, 0.1530,
0.0616

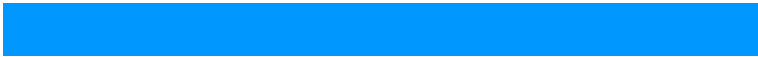
■ 98.8001, 0.3120,
0.3276

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.



27.7172, 0.1573, 0.1647



27.7172, 0.2241, 0.1710



27.7172, 0.3318, 0.2050

Triad

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



27.7172, 0.2241, 0.1710



27.7172, 0.5310, 0.4083



27.7172, 0.1749, 0.3925

Complementary

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



27.7172, 0.2241, 0.1710



91.7315, 0.3772, 0.4564

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.



27.7172, 0.2602, 0.5231



27.7172, 0.2241, 0.1710



27.7172, 0.4636, 0.4902

Square

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



27.7172, 0.2241, 0.1710



27.7172, 0.5347, 0.3318



27.7172, 0.3653, 0.5508



27.7172, 0.1318, 0.2633

Rectangle

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



27.7172, 0.2241, 0.1710



27.7172, 0.4162, 0.2411



27.7172, 0.3653, 0.5508



27.7172, 0.1992, 0.4417

Sweetspot

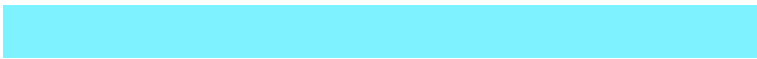
The Sweet Spot groups the original color and five complimentary colors.



27.7178, 0.2241, 0.1710



72.0725, 0.2911, 0.2890



75.2205, 0.2438, 0.3138



14.6852, 0.2877, 0.2828



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.



27.7178, 0.2241, 0.1710



19.9630, 0.2032, 0.1361



34.8969, 0.2733, 0.1898



17.4719, 0.2995, 0.3045



3.9290, 0.1537, 0.0620



0.4119, 0.1606, 0.0658

Inverse Universe

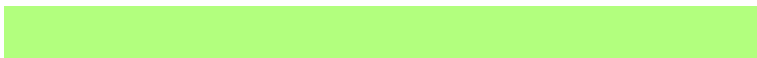
The Inverse Universe completely reimagines the original color for something new.



42.5360, 0.3309, 0.2180



36.4508, 0.3354, 0.1998



82.4448, 0.3344, 0.4770



18.2645, 0.3155, 0.3081



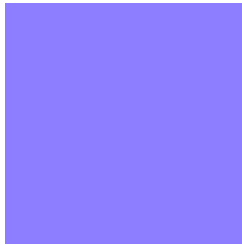
14.0311, 0.3503, 0.1704



1.3755, 0.3465, 0.1683

Previews

White Background



This preview shows how the Yxy color 27.7172, 0.2241, 0.1710 looks on a white background.

Color Contrast Check

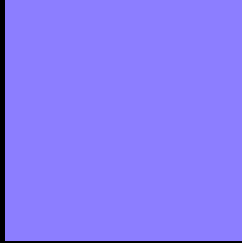
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7172, 0.2241, 0.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

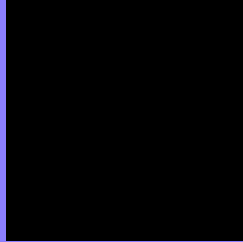
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7172, 0.2241, 0.1710

Background



This preview shows how black text looks on a background with the Yxy color 27.7172, 0.2241, 0.1710.



This preview shows how white text looks on a background with the Yxy color 27.7172, 0.2241, 0.1710.

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

27.7172, 0.2241, 0.1710

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

28.0001, 0.1909, 0.1840



Tritanopia

27.7129, 0.2702, 0.3088

Trichromacy



Original Color

27.7172, 0.2241, 0.1710

Protanomaly

27.6737, 0.2066, 0.1744

Deuteranomaly

27.1365, 0.1984, 0.1770

Tritanomaly

27.2750, 0.2508, 0.2471

Monochromacy



Original Color

27.7172, 0.2241, 0.1710

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.5194, 0.2743, 0.2587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7172, 0.2241, 0.1710 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(140, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 126, 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(140, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 126, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.7172, 0.2241, 0.1710 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(140, 126, 255) }
```

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

```
.border{ border-color:rgb(140, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 126,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7172, 0.2241, 0.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 126, 255) }
```

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

```
.background{ background-color: rgb(140,  
126, 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