

Converting Colors

$Y_{xy}(31.5445, 0.2158, 0.1740)$

Have a look what the booklet for
Yxy(31.5445, 0.2158, 0.1740)
contains.

Yxy(30.5908, 0.2217, 0.1843)	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(30.5908, 0.2217, 0.1843)

Conversions

Conversions Part 1

Format	Color
Hex	848BFF
RGB	132, 139, 255
RGB Percent	52%, 55%, 100%
CMY	0.4824, 0.4549, 0.0000
CMYK	0.48, 0.45, 0.00, 0.00
HSL	237°, 100%, 76%
HSV	237°, 48%, 100%
XYZ	36.7986, 30.5908, 98.5943
YIQ	150.1310, -41.4080, 34.5920

Conversions

Conversions Part 2

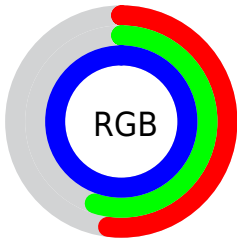
Format	Color
RYB	132, 139, 255
Decimal	8686591
CIELab	62.16, 27.52, -58.73
CIElCh	62, 64.859, 295.106
Yxy	30.5908, 0.2217, 0.1843
Android (android.graphics.Color)	4286876671 (0xFF848BFF)
YUV	150.1310, 51.7004, -15.9009
Hunter-Lab	55.3090, 21.9704, -66.9747

Details

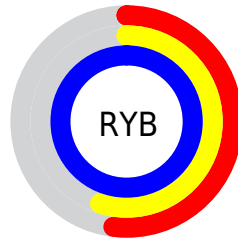
The Yxy color **30.5908, 0.2217, 0.1843** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.0453, 0.3870, 0.4413**, and the grayscale version is **30.3454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9956, 0.2694, 0.2584**, and **12.5997, 0.1956, 0.1499** is the 20% darker color. If you saturate the color by 10%, you get **22.5659, 0.2010, 0.1503**, and if you desaturate by 10%, it is **40.6477, 0.2429, 0.2187**.

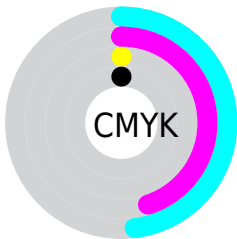
Distribution



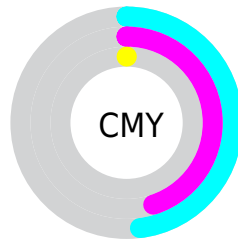
- Red (52%)
- Green (55%)
- Blue (100%)



- Red (52%)
- Yellow (55%)
- Blue (100%)



- Cyan (48%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5908, 0.2217, 0.1843 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 30.5908, 0.2217, 0.1843 by changing the saturation by 10% instead.


 30.5908, 0.2217,
0.1843


 30.5908, 0.2217,
0.1843


304.6487, 0.2686,
0.2527

 20.2875, 0.2102,
0.1690


 60.5952, 0.2387,
0.2079

 12.6042, 0.1956,
0.1506


 81.0651, 0.2452,
0.2172

 7.1565, 0.1770,
0.1282


 105.6927, 0.2506,
0.2252

 3.5602, 0.1528,
0.1011

134.8622, 0.2553,
0.2321

 1.4307, 0.1210,
0.0690

168.9582, 0.2593,
0.2382

 0.2392, 0.0813,
0.0216

208.3650, 0.2628,

 0.0000, 0.0000,

0.2436

0.0000

253.4671, 0.2659,
0.2484

■ 30.5908, 0.2217,
0.1843

■ 30.5908, 0.2217,
0.1843

■ 22.5659, 0.2010,
0.1503

■ 40.6477, 0.2429,
0.2187

■ 16.4362, 0.1823,
0.1190

■ 52.8643, 0.2635,
0.2516

■ 12.0449, 0.1672,
0.0930

■ 67.3554, 0.2826,
0.2819

■ 9.2109, 0.1568,
0.0743

■ 84.2285, 0.2999,
0.3091

■ 7.7074, 0.1513,
0.0636

100.0000, 0.3127,
0.3290

■ 7.5493, 0.1507,
0.0625

Harmonies

Analogous

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



30.5908, 0.1665, 0.1841



30.5908, 0.2217, 0.1843



30.5908, 0.3117, 0.2112

Triad

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



30.5908, 0.2217, 0.1843



30.5908, 0.5116, 0.3934



30.5908, 0.2038, 0.4062

Complementary

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



30.5908, 0.2217, 0.1843



90.0453, 0.3870, 0.4413

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.



30.5908, 0.2864, 0.5046



30.5908, 0.2217, 0.1843



30.5908, 0.4639, 0.4648

Square

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



30.5908, 0.2217, 0.1843



30.5908, 0.4985, 0.3238



30.5908, 0.3811, 0.5177



30.5908, 0.1557, 0.2910

Rectangle

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



30.5908, 0.2217, 0.1843



30.5908, 0.3839, 0.2421



30.5908, 0.3811, 0.5177



30.5908, 0.2283, 0.4454

Sweetspot

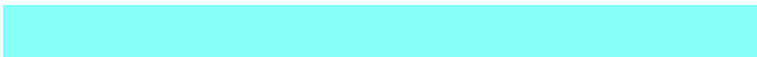
The Sweet Spot groups the original color and five complimentary colors.



30.5901, 0.2217, 0.1843



74.2184, 0.2902, 0.2938



83.1268, 0.2524, 0.3382



15.1273, 0.2864, 0.2878



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.



30.5901, 0.2217, 0.1843



22.7381, 0.2015, 0.1511



34.0671, 0.2588, 0.1901



17.5441, 0.2978, 0.3058



4.0101, 0.1510, 0.0634



0.4463, 0.1532, 0.0714

Inverse Universe

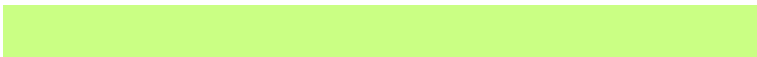
The Inverse Universe completely reimagines the original color for something new.



39.6211, 0.4403, 0.3221



33.0466, 0.4827, 0.3214



85.6989, 0.3472, 0.4635



18.0039, 0.3285, 0.3277



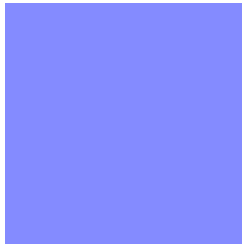
11.1328, 0.6343, 0.3268



1.0896, 0.6210, 0.3194

Previews

White Background



This preview shows how the Yxy color 30.5908, 0.2217, 0.1843 looks on a white background.

Color Contrast Check

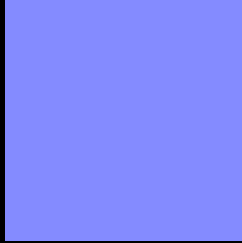
Large Text (above 18pt) WCAG AA × Fail

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 30.5908, 0.2217, 0.1843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

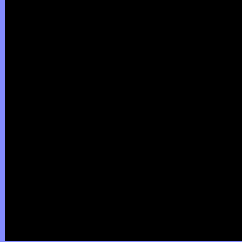
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5908, 0.2217, 0.1843

Background



This preview shows how black text looks on a background with the Yxy color 30.5908, 0.2217, 0.1843.



This preview shows how white text looks on a background with the Yxy color 30.5908, 0.2217, 0.1843.

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

30.5908, 0.2217, 0.1843

Protanopia

30.6613, 0.2077, 0.1877

Deuteranopia

30.7812, 0.2000, 0.1937



Tritanopia

30.5198, 0.2584, 0.3076

Trichromacy



Original Color

30.5908, 0.2217, 0.1843

Protanomaly

30.4423, 0.2124, 0.1857

Deuteranomaly

30.5560, 0.2064, 0.1900

Tritanomaly

30.1105, 0.2427, 0.2526

Monochromacy



Original Color

30.5908, 0.2217, 0.1843

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.0282, 0.2728, 0.2670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5908, 0.2217, 0.1843 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(132, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 139, 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(132, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.5908, 0.2217, 0.1843 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(132, 139, 255) }
```

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

```
.border{ border-color:rgb(132, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5908, 0.2217, 0.1843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 139, 255) }
```

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

```
.background{ background-color: rgb(132,  
139, 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