

Converting Colors

$Y_{xy}(22.3072, 0.1896, 0.1520)$

Have a look what the booklet for
Yxy(22.3072, 0.1896, 0.1520)
contains.

Yxy(22.2084, 0.1893, 0.1515)	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(22.2084, 0.1893, 0.1515)

Conversions

Conversions Part 1

Format	Color
Hex	4E78FE
RGB	78, 120, 254
RGB Percent	31%, 47%, 100%
CMY	0.6944, 0.5294, 0.0037
CMYK	0.69, 0.53, 0.00, 0.00
HSL	226°, 99%, 65%
HSV	226°, 69%, 100%
XYZ	27.7495, 22.2084, 96.6322
YIQ	122.7180, -68.0460, 32.7700

Conversions

Conversions Part 2

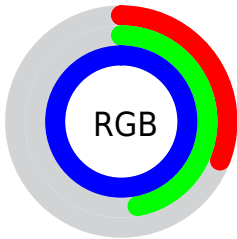
Format	Color
R_{YB}	78, 112, 254
Decimal	5142782
CIE _{Lab}	54.25, 28.91, -71.08
CIE _{LCh}	54, 76.735, 292.130
Yxy	22.2084, 0.1893, 0.1515
Android (android.graphics.Color)	4283332862 (0xFF4E78FE)
YUV	122.7180, 64.7220, -39.2177
Hunter-Lab	47.1258, 22.6376, -88.5871

Details

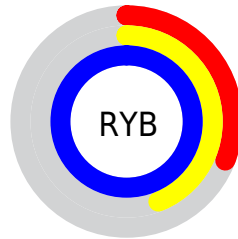
The Yxy color **22.2084, 0.1893, 0.1515** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **68.7088, 0.4343, 0.4535**, and the grayscale version is **19.5051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7448, 0.2369, 0.2277**, and **8.6203, 0.1656, 0.1163** is the 20% darker color. If you saturate the color by 10%, you get **17.1454, 0.1750, 0.1252**, and if you desaturate by 10%, it is **28.6258, 0.2063, 0.1800**.

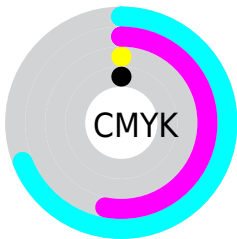
Distribution



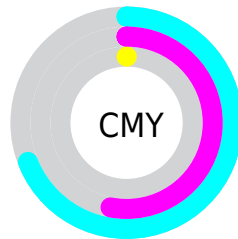
- Red (31%)
- Green (47%)
- Blue (100%)



- Red (31%)
- Yellow (44%)
- Blue (100%)



- Cyan (69%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2084, 0.1893, 0.1515 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 22.2084, 0.1893, 0.1515 by changing the saturation by 10% instead.


 22.2084, 0.1893,
0.1515


 22.2084, 0.1893,
0.1515


263.6327, 0.2536,
0.2359


 14.0101, 0.1738,
0.1332


 47.0902, 0.2125,
0.1803


 8.1277, 0.1546,
0.1117


 64.5425, 0.2213,
0.1918

 4.1768, 0.1308,
0.0866


 85.8482, 0.2288,
0.2017

 1.7729, 0.1014,
0.0585

 111.3918, 0.2352,
0.2103

 0.4702, 0.0667,
0.0263

141.5577, 0.2408,
0.2179

 0.0000, 0.0104,
0.0000

176.7302, 0.2456,

 0.0000, 0.0000,

0.2246

0.0000

217.2937, 0.2498,
0.2306

■ 22.2084, 0.1893,
0.1515

■ 22.2084, 0.1893,
0.1515

■ 17.1454, 0.1750,
0.1252

■ 28.6258, 0.2063,
0.1800

■ 13.3272, 0.1641,
0.1026

■ 36.4906, 0.2249,
0.2091

■ 10.6142, 0.1570,
0.0849

■ 45.8891, 0.2441,
0.2375

■ 10.4626, 0.1566,
0.0838

■ 56.8999, 0.2631,
0.2642

■ 69.5961, 0.2812,
0.2887

■ 84.0462, 0.2982,
0.3107

99.9390, 0.3133,
0.3299

Harmonies

Analogous

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



22.2084, 0.1305, 0.1527



22.2084, 0.1893, 0.1515



22.2084, 0.2954, 0.1799

Triad

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



22.2084, 0.1893, 0.1515



22.2084, 0.5635, 0.3842



22.2084, 0.1792, 0.4487

Complementary

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



22.2084, 0.1893, 0.1515



68.7088, 0.4343, 0.4535

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.



22.2084, 0.2804, 0.5764



22.2084, 0.1893, 0.1515



22.2084, 0.4992, 0.4741

Square

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



22.2084, 0.1893, 0.1515



22.2084, 0.5472, 0.3058



22.2084, 0.3951, 0.5617



22.2084, 0.1219, 0.2861

Rectangle

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



22.2084, 0.1893, 0.1515



22.2084, 0.3889, 0.2140



22.2084, 0.3951, 0.5617



22.2084, 0.2093, 0.5039

Sweetspot

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



22.2090, 0.1893, 0.1515



67.9150, 0.2783, 0.2848



77.1871, 0.2503, 0.3847



13.7599, 0.2733, 0.2781



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.



22.2090, 0.1893, 0.1515



15.7295, 0.1705, 0.1163



16.7334, 0.2033, 0.1188



18.0820, 0.2979, 0.3104



5.7018, 0.1573, 0.0863



0.7154, 0.1630, 0.1068

Inverse Universe

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



27.8760, 0.4919, 0.2917



23.8197, 0.5463, 0.2948



85.1699, 0.3755, 0.5043



18.0582, 0.3257, 0.3233



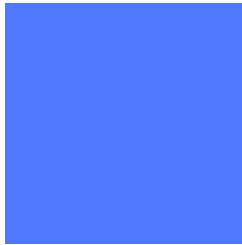
11.3036, 0.5970, 0.3062



1.1168, 0.5658, 0.2891

Previews

White Background



This preview shows how the Yxy color 22.2084, 0.1893, 0.1515 looks on a white background.

Color Contrast Check

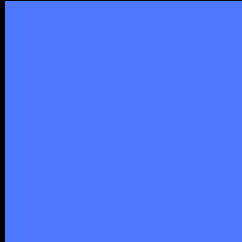
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2084, 0.1893, 0.1515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

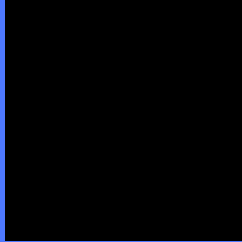
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

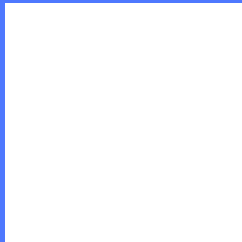
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.2084, 0.1893, 0.1515

Background



This preview shows how black text looks on a background with the Yxy color 22.2084, 0.1893, 0.1515.



This preview shows how white text looks on a background with the Yxy color 22.2084, 0.1893, 0.1515.

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

22.2084, 0.1893, 0.1515

Protanopia

22.1708, 0.1802, 0.1519

Deuteranopia

22.1597, 0.1839, 0.1820



Tritanopia

21.9780, 0.2186, 0.3069

Trichromacy



Original Color

22.2084, 0.1893, 0.1515

Protanomaly

22.2267, 0.1827, 0.1517

Deuteranomaly

21.8583, 0.1827, 0.1690

Tritanomaly

21.2925, 0.2013, 0.2325

Monochromacy



Original Color

22.2084, 0.1893, 0.1515

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.9851, 0.2495, 0.2447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2084, 0.1893, 0.1515 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(78, 120, 254)` looks like.

```
.text, #text, p{  
    color:rgb(78, 120, 254)  
}
```

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(78, 120, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 120, 254) }
```

Border

The CSS property to change the border of an element to Yxy 22.2084, 0.1893, 0.1515 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(78, 120, 254) }
```

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

```
.border{ border-color:rgb(78, 120, 254) }
```

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

Here you see how a box with a 4 pixel rgb(78, 120, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 120, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 120, 254);  
box-shadow:4px 4px 4px 4px rgb(78, 120,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2084, 0.1893, 0.1515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 120, 254) }
```

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

```
.background{ background-color: rgb(78, 120,  
254) }
```

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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