

Converting Colors

$Yxy(22.2160, 0.1840, 0.1515)$

Have a look what the booklet for
Yxy(22.2160, 0.1840, 0.1515)
contains.

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Color

Yxy(22.1312, 0.1838, 0.1510)

Conversions

Conversions Part 1

Format	Color
Hex	3D7AFF
RGB	61, 122, 255
RGB Percent	24%, 48%, 100%
CMY	0.7608, 0.5216, 0.0000
CMYK	0.76, 0.52, 0.00, 0.00
HSL	221°, 100%, 62%
HSV	221°, 76%, 100%
XYZ	26.9385, 22.1312, 97.4945
YIQ	118.9230, -79.0490, 28.4310

Conversions

Conversions Part 2

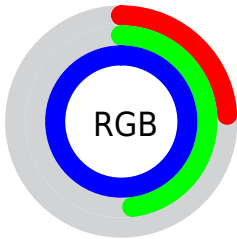
Format	Color
R _Y B	61, 107, 255
Decimal	4029183
CIE Lab	54.17, 25.99, -71.79
CIE LCh	54, 76.354, 289.904
Yxy	22.1312, 0.1838, 0.1510
Android (android.graphics.Color)	4282219263 (0xFF3D7AFF)
YUV	118.9230, 67.0860, -50.7985
Hunter-Lab	47.0438, 19.8871, -89.9431

Details

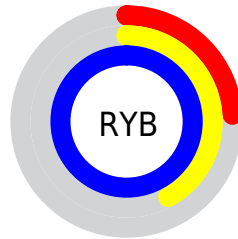
The Yxy color **22.1312, 0.1838, 0.1510** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **60.1828, 0.4568, 0.4479**, and the grayscale version is **18.2234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5604, 0.2311, 0.2287**, and **9.0634, 0.1667, 0.1199** is the 20% darker color. If you saturate the color by 10%, you get **17.5895, 0.1721, 0.1274**, and if you desaturate by 10%, it is **27.8251, 0.1985, 0.1768**.

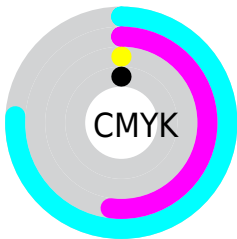
Distribution



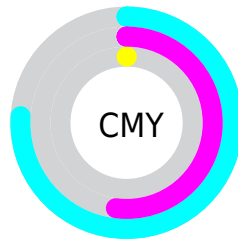
- Red (24%)
- Green (48%)
- Blue (100%)



- Red (24%)
- Yellow (42%)
- Blue (100%)



- Cyan (76%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1312, 0.1838, 0.1510 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 22.1312, 0.1838, 0.1510 by changing the saturation by 10% instead.


 22.1312, 0.1838,
0.1510


 22.1312, 0.1838,
0.1510


263.2307, 0.2505,
0.2359


 13.9533, 0.1679,
0.1326


 46.9627, 0.2078,
0.1800


 8.0882, 0.1483,
0.1110

 64.3852, 0.2169,
0.1915

 4.1514, 0.1242,
0.0859


 85.6580, 0.2247,
0.2014

 1.7586, 0.0948,
0.0577

 111.1655, 0.2313,
0.2101

 0.4612, 0.0607,
0.0256

141.2922, 0.2371,
0.2177

 0.0000, 0.0021,
0.0000

176.4223, 0.2421,

 0.0000, 0.0000,

0.2245

0.0000

216.9403, 0.2465,
0.2305

■ 22.1312, 0.1838,
0.1510

■ 22.1312, 0.1838,
0.1510

■ 17.5895, 0.1721,
0.1274

■ 27.8251, 0.1985,
0.1768

■ 14.1052, 0.1637,
0.1070

■ 34.7641, 0.2152,
0.2034

■ 12.9826, 0.1611,
0.0999

■ 43.0229, 0.2331,
0.2297

■ 52.6717, 0.2515,
0.2548

■ 63.7749, 0.2696,
0.2782

■ 76.3929, 0.2870,
0.2995

■ 90.5824, 0.3034,
0.3185

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.



22.1312, 0.1282, 0.1545



22.1312, 0.1838, 0.1510



22.1312, 0.2860, 0.1772

Triad

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



22.1312, 0.1838, 0.1510



22.1312, 0.5649, 0.3782



22.1312, 0.1859, 0.4610

Complementary

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



22.1312, 0.1838, 0.1510



60.1828, 0.4568, 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.



22.1312, 0.2891, 0.5791



22.1312, 0.1838, 0.1510



22.1312, 0.5054, 0.4670

Square

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



22.1312, 0.1838, 0.1510



22.1312, 0.5411, 0.3005



22.1312, 0.4035, 0.5559



22.1312, 0.1249, 0.2964

Rectangle

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



22.1312, 0.1838, 0.1510



22.1312, 0.3779, 0.2100



22.1312, 0.4035, 0.5559



22.1312, 0.2170, 0.5141

Sweetspot

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



22.1291, 0.1838, 0.1510



67.4966, 0.2751, 0.2850



76.3876, 0.2536, 0.4089



13.5157, 0.2687, 0.2770



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.



22.1291, 0.1838, 0.1510



15.7503, 0.1675, 0.1169



13.0747, 0.1843, 0.0979



18.3096, 0.2979, 0.3122



7.0179, 0.1619, 0.1028



0.8692, 0.1680, 0.1249

Inverse Universe

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



26.0021, 0.4970, 0.2784



22.7136, 0.5491, 0.2857



86.9842, 0.3864, 0.5097



18.0812, 0.3245, 0.3216



11.4364, 0.5717, 0.2923



1.1323, 0.5397, 0.2747

Previews

White Background



This preview shows how the Yxy color 22.1312, 0.1838, 0.1510 looks on a white background.

Color Contrast Check

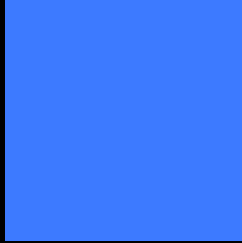
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1312, 0.1838, 0.1510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

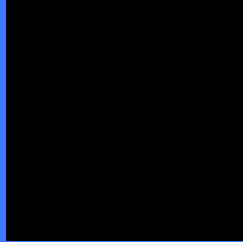
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

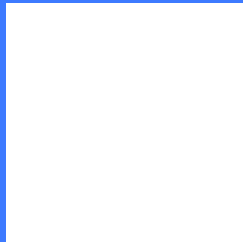
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.1312, 0.1838, 0.1510

Background



This preview shows how black text looks on a background with the Yxy color 22.1312, 0.1838, 0.1510.



This preview shows how white text looks on a background with the Yxy color 22.1312, 0.1838, 0.1510.

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

22.1312, 0.1838, 0.1510

Protanopia

22.1489, 0.1799, 0.1518

Deuteranopia

21.8340, 0.1837, 0.1813



Tritanopia

21.9448, 0.2191, 0.3088

Trichromacy



Original Color

22.1312, 0.1838, 0.1510

Protanomaly

22.0640, 0.1812, 0.1511

Deuteranomaly

21.7820, 0.1819, 0.1687

Tritanomaly

21.2162, 0.2002, 0.2322

Monochromacy



Original Color

22.1312, 0.1838, 0.1510

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.8568, 0.2433, 0.2437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1312, 0.1838, 0.1510 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(61, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(61, 122, 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(61, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.1312, 0.1838, 0.1510 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(61, 122, 255) }
```

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

```
.border{ border-color:rgb(61, 122, 255) }
```

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

Here you see how a box with a 4 pixel rgb(61, 122, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(61, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1312, 0.1838, 0.1510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 122, 255) }
```

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

```
.background{ background-color: rgb(61, 122,  
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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