

Converting Colors

$Yxy(22.1518, 0.1846, 0.1510)$

Have a look what the booklet for
Yxy(22.1518, 0.1846, 0.1510)
contains.

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Color

Yxy(22.2291, 0.1847, 0.1514)

Conversions

Conversions Part 1

Format	Color
Hex	407AFF
RGB	64, 122, 255
RGB Percent	25%, 48%, 100%
CMY	0.7495, 0.5215, 0.0000
CMYK	0.75, 0.52, 0.00, 0.00
HSL	222°, 100%, 63%
HSV	222°, 75%, 100%
XYZ	27.1183, 22.2291, 97.4762
YIQ	119.8200, -77.2610, 29.0670

Conversions

Conversions Part 2

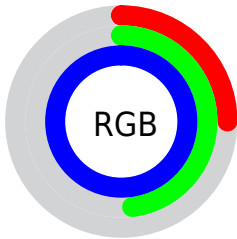
Format	Color
R _{YB}	64, 108, 255
Decimal	4225791
CIE _{Lab}	54.27, 26.28, -71.60
CIE _{LCh}	54, 76.273, 290.153
Y _{xy}	22.2291, 0.1847, 0.1514
Android (android.graphics.Color)	4282415871 (0xFF407AFF)
YUV	119.8200, 66.6437, -48.9541
Hunter-Lab	47.1477, 20.1606, -89.5765

Details

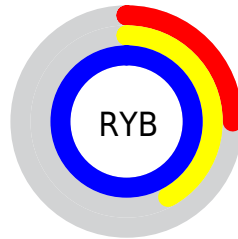
The Yxy color **22.2291, 0.1847, 0.1514** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **61.4973, 0.4532, 0.4488**, and the grayscale version is **18.5151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7263, 0.2322, 0.2289**, and **8.9288, 0.1663, 0.1185** is the 20% darker color. If you saturate the color by 10%, you get **17.5952, 0.1725, 0.1273**, and if you desaturate by 10%, it is **28.0486, 0.1997, 0.1776**.

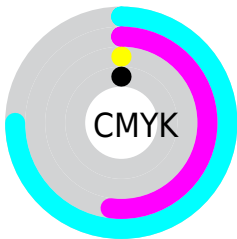
Distribution



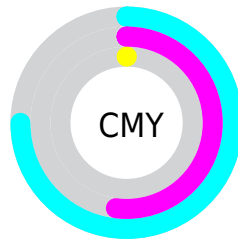
- Red (25%)
- Green (48%)
- Blue (100%)



- Red (25%)
- Yellow (42%)
- Blue (100%)



- Cyan (75%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2291, 0.1847, 0.1514 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 22.2291, 0.1847, 0.1514 by changing the saturation by 10% instead.


 22.2291, 0.1847,
0.1514


 22.2291, 0.1847,
0.1514


263.7404, 0.2509,
0.2360


 14.0253, 0.1689,
0.1331


 47.1244, 0.2085,
0.1803

 8.1383, 0.1494,
0.1115


 64.5846, 0.2176,
0.1918

 4.1836, 0.1253,
0.0864


 85.8992, 0.2253,
0.2017

 1.7768, 0.0959,
0.0582

 111.4525, 0.2319,
0.2104

 0.4726, 0.0618,
0.0262

141.6288, 0.2376,
0.2180

 0.0000, 0.0040,
0.0000

176.8127, 0.2426,

 0.0000, 0.0000,

0.2247

0.0000

217.3884, 0.2470,
0.2307

■ 22.2291, 0.1847,
0.1514

■ 22.2291, 0.1847,
0.1514

■ 17.5952, 0.1725,
0.1273

■ 28.0486, 0.1997,
0.1776

■ 14.0454, 0.1638,
0.1066

■ 35.1408, 0.2168,
0.2045

■ 12.6082, 0.1604,
0.0975

■ 43.5837, 0.2350,
0.2311

■ 53.4483, 0.2534,
0.2565

■ 64.8001, 0.2716,
0.2800

■ 77.7005, 0.2889,
0.3013

■ 92.2071, 0.3051,
0.3204

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.



22.2291, 0.1288, 0.1547



22.2291, 0.1847, 0.1514



22.2291, 0.2872, 0.1778

Triad

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



22.2291, 0.1847, 0.1514



22.2291, 0.5642, 0.3789



22.2291, 0.1855, 0.4592

Complementary

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



22.2291, 0.1847, 0.1514



61.4973, 0.4532, 0.4488

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.



22.2291, 0.2884, 0.5780



22.2291, 0.1847, 0.1514



22.2291, 0.5044, 0.4677

Square

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



22.2291, 0.1847, 0.1514



22.2291, 0.5412, 0.3013



22.2291, 0.4025, 0.5560



22.2291, 0.1250, 0.2954

Rectangle

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



22.2291, 0.1847, 0.1514



22.2291, 0.3790, 0.2107



22.2291, 0.4025, 0.5560



22.2291, 0.2164, 0.5124

Sweetspot

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



22.2291, 0.1847, 0.1514



68.4427, 0.2768, 0.2865



76.5224, 0.2538, 0.4076



13.9319, 0.2720, 0.2805



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.



22.2291, 0.1847, 0.1514



15.6744, 0.1677, 0.1164



13.5207, 0.1861, 0.1006



18.2787, 0.2979, 0.3120



6.8168, 0.1612, 0.1003



0.8465, 0.1673, 0.1223

Inverse Universe

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



26.3184, 0.4958, 0.2802



22.8088, 0.5495, 0.2869



87.0983, 0.3861, 0.5080



18.0780, 0.3246, 0.3218



11.4161, 0.5754, 0.2943



1.1300, 0.5433, 0.2767

Previews

White Background



This preview shows how the Yxy color 22.2291, 0.1847, 0.1514 looks on a white background.

Color Contrast Check

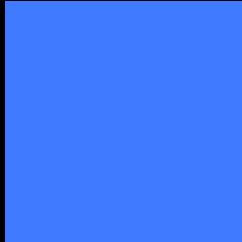
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2291, 0.1847, 0.1514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

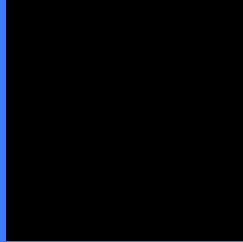
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

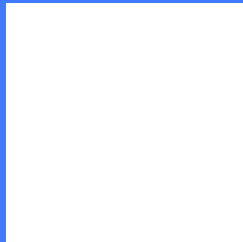
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.2291, 0.1847, 0.1514

Background



This preview shows how black text looks on a background with the Yxy color 22.2291, 0.1847, 0.1514.



This preview shows how white text looks on a background with the Yxy color 22.2291, 0.1847, 0.1514.

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

22.2291, 0.1847, 0.1514

Protanopia

22.1708, 0.1802, 0.1519

Deuteranopia

22.1597, 0.1839, 0.1820



Tritanopia

21.9448, 0.2191, 0.3088

Trichromacy



Original Color

22.2291, 0.1847, 0.1514

Protanomaly

22.0897, 0.1814, 0.1512

Deuteranomaly

21.7935, 0.1820, 0.1687

Tritanomaly

21.2278, 0.2004, 0.2323

Monochromacy



Original Color

22.2291, 0.1847, 0.1514

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.2486, 0.2445, 0.2445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2291, 0.1847, 0.1514 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(64, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.2291, 0.1847, 0.1514 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(64, 122, 255) }
```

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

```
.border{ border-color:rgb(64, 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(64, 122, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2291, 0.1847, 0.1514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 122, 255) }
```

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

```
.background{ background-color: rgb(64, 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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