

Converting Colors

$Yxy(22.5431, 0.1856, 0.1556)$

Have a look what the booklet for
Yxy(22.5431, 0.1856, 0.1556)
contains.

| | |
|--|----|
| Yxy(22.5639, 0.1856, 0.1552) | 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(22.5639, 0.1856, 0.1552)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 3F7CFD |
| RGB | 63, 124, 253 |
| RGB Percent | 25%, 49%, 99% |
| CMY | 0.7529, 0.5137, 0.0079 |
| CMYK | 0.75, 0.51, 0.00, 0.01 |
| HSL | 221°, 98%, 62% |
| HSV | 221°, 75%, 99% |
| XYZ | 26.9836, 22.5639, 95.8384 |
| YIQ | 120.4670, -77.7650, 27.1870 |

Conversions

Conversions Part 2

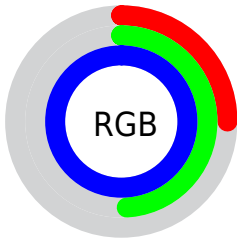
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 63, 109, 253 |
| Decimal | 4160765 |
| CIE Lab | 54.62, 24.22, -69.91 |
| CIE LCh | 55, 73.988, 289.108 |
| Yxy | 22.5639, 0.1856, 0.1552 |
| Android (android.graphics.Color) | 4282350845 (0xFF3F7CFD) |
| YUV | 120.4670, 65.3388, -50.3986 |
| Hunter-Lab | 47.5015, 18.2709, -86.3718 |

Details

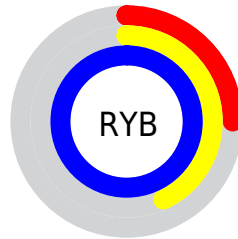
The Yxy color **22.5639, 0.1856, 0.1552** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **58.9271, 0.4561, 0.4462**, and the grayscale version is **18.7470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4216, 0.2321, 0.2314**, and **9.1090, 0.1674, 0.1226** is the 20% darker color. If you saturate the color by 10%, you get **17.9774, 0.1736, 0.1314**, and if you desaturate by 10%, it is **28.2836, 0.2004, 0.1809**.

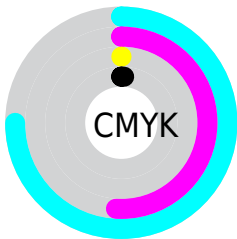
Distribution



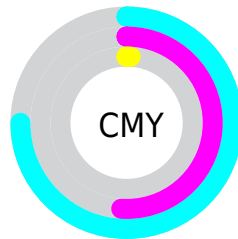
- Red (25%)
- Green (49%)
- Blue (99%)



- Red (25%)
- Yellow (43%)
- Blue (99%)



- Cyan (75%)
- Magenta (51%)
- Yellow (0%)
- Black (1%)





- Cyan (75%)
- Magenta (51%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5639, 0.1856, 0.1552 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 22.5639, 0.1856, 0.1552 by changing the saturation by 10% instead.


 22.5639, 0.1856,
0.1552


 22.5639, 0.1856,
0.1552


265.4771, 0.2513,
0.2385


 14.2718, 0.1698,
0.1370


 47.6763, 0.2093,
0.1838

 8.3100, 0.1504,
0.1154


 65.2653, 0.2183,
0.1951

 4.2939, 0.1264,
0.0902


 86.7222, 0.2259,
0.2049

 1.8393, 0.0970,
0.0616

 112.4312, 0.2325,
0.2134

 0.5115, 0.0626,
0.0291

142.7768, 0.2381,
0.2208

 0.0000, 0.0027,
0.0000

178.1434, 0.2431,

 0.0000, 0.0000,

0.2274

0.0000

218.9154, 0.2475,
0.2333

■ 22.5639, 0.1856,
0.1552

■ 22.5639, 0.1856,
0.1552

■ 17.9774, 0.1736,
0.1314

■ 28.2836, 0.2004,
0.1809

■ 14.4261, 0.1648,
0.1106

■ 35.2170, 0.2172,
0.2073

■ 13.0086, 0.1616,
0.1016

■ 43.4383, 0.2352,
0.2333

■ 53.0145, 0.2535,
0.2580

■ 64.0075, 0.2715,
0.2809

■ 76.4752, 0.2887,
0.3017

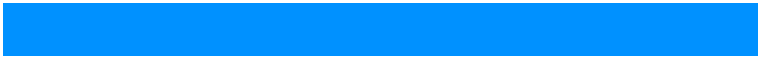
■ 90.4721, 0.3049,
0.3204

99.8701, 0.3139,
0.3309

Harmonies

Analogous

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



22.5639, 0.1319, 0.1598



22.5639, 0.1856, 0.1552



22.5639, 0.2841, 0.1802

Triad

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



22.5639, 0.1856, 0.1552



22.5639, 0.5581, 0.3770



22.5639, 0.1929, 0.4599

Complementary

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



22.5639, 0.1856, 0.1552



58.9271, 0.4561, 0.4462

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.



22.5639, 0.2946, 0.5699



22.5639, 0.1856, 0.1552



22.5639, 0.5037, 0.4632

Square

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



22.5639, 0.1856, 0.1552



22.5639, 0.5312, 0.3006



22.5639, 0.4061, 0.5479



22.5639, 0.1312, 0.3020

Rectangle

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



22.5639, 0.1856, 0.1552



22.5639, 0.3723, 0.2120



22.5639, 0.4061, 0.5479



22.5639, 0.2237, 0.5096

Sweetspot

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



22.5645, 0.1856, 0.1552



67.6962, 0.2751, 0.2854



74.9933, 0.2551, 0.4121



13.5633, 0.2687, 0.2775



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.



22.5645, 0.1856, 0.1552



16.3926, 0.1688, 0.1206



13.0622, 0.1841, 0.0994



18.3298, 0.2979, 0.3124



7.1538, 0.1624, 0.1044



0.8844, 0.1685, 0.1266

Inverse Universe

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



25.8896, 0.4913, 0.2770



22.8813, 0.5435, 0.2835



86.0139, 0.3883, 0.5066



18.0832, 0.3244, 0.3214



11.4501, 0.5692, 0.2910



1.1338, 0.5373, 0.2734

Previews

White Background



This preview shows how the Yxy color 22.5639, 0.1856, 0.1552 looks on a white background.

Color Contrast Check

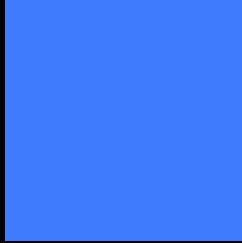
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5639, 0.1856, 0.1552 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

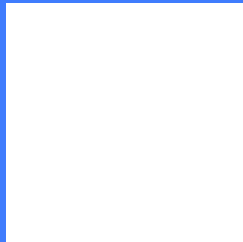
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.5639, 0.1856, 0.1552

Background



This preview shows how black text looks on a background with the Yxy color 22.5639, 0.1856, 0.1552.



This preview shows how white text looks on a background with the Yxy color 22.5639, 0.1856, 0.1552.

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

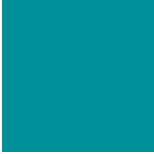
22.5639, 0.1856, 0.1552

Protanopia

22.5011, 0.1821, 0.1544

Deuteranopia

22.5446, 0.1838, 0.1817



Tritanopia

22.2796, 0.2191, 0.3089

Trichromacy



Original Color

22.5639, 0.1856, 0.1552

Protanomaly

22.6352, 0.1834, 0.1549

Deuteranomaly

22.3794, 0.1825, 0.1708

Tritanomaly

21.7912, 0.2014, 0.2360

Monochromacy



Original Color

22.5639, 0.1856, 0.1552

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.1545, 0.2444, 0.2457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5639, 0.1856, 0.1552 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(63, 124, 253)` looks like.

```
.text, #text, p{  
    color:rgb(63, 124, 253)  
}
```

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(63, 124, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 124, 253) }
```

Border

The CSS property to change the border of an element to Yxy 22.5639, 0.1856, 0.1552 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(63, 124, 253) }
```

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

```
.border{ border-color:rgb(63, 124, 253) }
```

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

Here you see how a box with a 4 pixel rgb(63, 124, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 124, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 124, 253);  
box-shadow:4px 4px 4px 4px rgb(63, 124,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5639, 0.1856, 0.1552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 124, 253) }
```

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

```
.background{ background-color: rgb(63, 124,  
253) }
```

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