

Converting Colors

$Y_{xy}(15.8869, 0.1775, 0.1414)$

Have a look what the booklet for
Yxy(15.8869, 0.1775, 0.1414)
contains.

Yxy(15.8450, 0.1772, 0.1406)	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(15.8450, 0.1772, 0.1406)

Conversions

Conversions Part 1

Format	Color
Hex	2767E6
RGB	39, 103, 230
RGB Percent	15%, 40%, 90%
CMY	0.8473, 0.5961, 0.0980
CMYK	0.83, 0.55, 0.00, 0.10
HSL	220°, 79%, 53%
HSV	220°, 83%, 90%
XYZ	19.9697, 15.8450, 76.8809
YIQ	98.3420, -78.9110, 25.9290

Conversions

Conversions Part 2

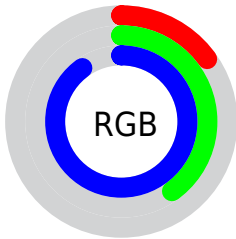
Format	Color
R _Y B	39, 87, 230
Decimal	2582502
CIE Lab	46.77, 26.68, -69.87
CIE LCh	47, 74.791, 290.901
Yxy	15.8450, 0.1772, 0.1406
Android (android.graphics.Color)	4280772582 (0xFF2767E6)
YUV	98.3420, 64.9074, -52.0429
Hunter-Lab	39.8058, 19.8893, -86.6487

Details

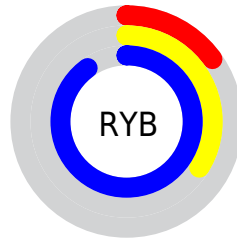
The Yxy color **15.8450, 0.1772, 0.1406** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **44.2301, 0.4717, 0.4474**, and the grayscale version is **12.1504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7844, 0.2167, 0.1990**, and **5.9434, 0.1633, 0.1078** is the 20% darker color. If you saturate the color by 10%, you get **12.7561, 0.1677, 0.1191**, and if you desaturate by 10%, it is **19.7625, 0.1898, 0.1646**.

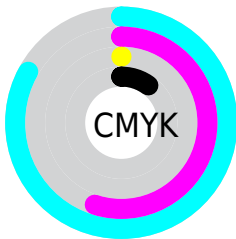
Distribution



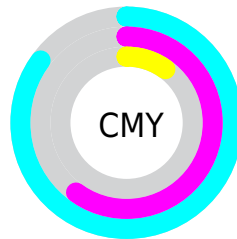
- Red (15%)
- Green (40%)
- Blue (90%)



- Red (15%)
- Yellow (34%)
- Blue (90%)



- Cyan (83%)
- Magenta (55%)
- Yellow (0%)
- Black (10%)




- Cyan (85%)
- Magenta (60%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8450, 0.1772, 0.1406 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 15.8450, 0.1772, 0.1406 by changing the saturation by 10% instead.


 15.8450, 0.1772,
0.1406


 15.8450, 0.1772,
0.1406


228.4254, 0.2504,
0.2339

 9.4145, 0.1589,
0.1199


 36.3289, 0.2042,
0.1730


 5.0125, 0.1362,
0.0955


 51.1511, 0.2143,
0.1858


 2.2546, 0.1081,
0.0677

 69.5394, 0.2228,
0.1967

 0.7495, 0.0743,
0.0376

 91.8782, 0.2300,
0.2062

 0.0000, 0.0287,
0.0000

 118.5517, 0.2362,
0.2144

 0.0000, 0.0000,
0.0000

149.9445, 0.2416,

0.2217

186.4409, 0.2463,
0.2281

■ 15.8450, 0.1772,
0.1406

■ 15.8450, 0.1772,
0.1406

■ 12.7561, 0.1677,
0.1191

■ 19.7625, 0.1898,
0.1646

■ 11.0377, 0.1628,
0.1060

■ 24.5783, 0.2049,
0.1901

■ 30.3541, 0.2218,
0.2158

■ 37.1453, 0.2396,
0.2409

■ 45.0024, 0.2576,
0.2646

■ 53.9721, 0.2753,
0.2865

■ 64.0983, 0.2922,
0.3063

■ 75.4224, 0.3081,
0.3240

■ 87.9835, 0.3228,
0.3396

Harmonies

Analogous

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



15.8450, 0.1185, 0.1425



15.8450, 0.1772, 0.1406



15.8450, 0.2873, 0.1688

Triad

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



15.8450, 0.1772, 0.1406



15.8450, 0.5813, 0.3777



15.8450, 0.1711, 0.4684

Complementary

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



15.8450, 0.1772, 0.1406



44.2301, 0.4717, 0.4474

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.



15.8450, 0.2781, 0.6038



15.8450, 0.1772, 0.1406



15.8450, 0.5120, 0.4738

Square

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



15.8450, 0.1772, 0.1406



15.8450, 0.5636, 0.2977



15.8450, 0.3992, 0.5735



15.8450, 0.1109, 0.2860

Rectangle

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



15.8450, 0.1772, 0.1406



15.8450, 0.3880, 0.2035



15.8450, 0.3992, 0.5735



15.8450, 0.2030, 0.5297

Sweetspot

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



15.8454, 0.1772, 0.1406



65.7274, 0.2717, 0.2821



59.6829, 0.2558, 0.4269



13.1988, 0.2655, 0.2745



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.



15.8454, 0.1772, 0.1406



13.7942, 0.1625, 0.1051



8.3765, 0.1714, 0.0827



14.6728, 0.2981, 0.3129



6.4497, 0.1636, 0.1088



0.6430, 0.1717, 0.1381

Inverse Universe

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



19.2526, 0.5136, 0.2761



21.9237, 0.5683, 0.2904



69.2162, 0.3928, 0.5144



14.4473, 0.3240, 0.3211



9.8488, 0.5627, 0.2874



0.7446, 0.5217, 0.2647

Previews

White Background



This preview shows how the Yxy color 15.8450, 0.1772, 0.1406 looks on a white background.

Color Contrast Check

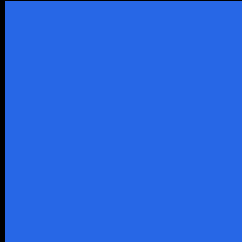
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.8450, 0.1772, 0.1406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

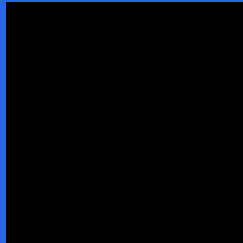
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8450, 0.1772, 0.1406

Background



This preview shows how black text looks on a background with the Yxy color 15.8450, 0.1772, 0.1406.



This preview shows how white text looks on a background with the Yxy color 15.8450, 0.1772, 0.1406.

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

15.8450, 0.1772, 0.1406

Protanopia

15.7443, 0.1739, 0.1461

Deuteranopia

15.7053, 0.1849, 0.1857



Tritanopia

15.5308, 0.2195, 0.3103

Trichromacy



Original Color

15.8450, 0.1772, 0.1406

Protanomaly

15.7426, 0.1743, 0.1437

Deuteranomaly

15.5356, 0.1807, 0.1660

Tritanomaly

15.1080, 0.1981, 0.2268

Monochromacy



Original Color

15.8450, 0.1772, 0.1406

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.7674, 0.2347, 0.2340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8450, 0.1772, 0.1406 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(39, 103, 230)` looks like.

```
.text, #text, p{  
  color:rgb(39, 103, 230)  
}
```

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(39, 103, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 103, 230) }
```

Border

The CSS property to change the border of an element to Yxy 15.8450, 0.1772, 0.1406 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(39, 103, 230) }
```

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

```
.border{ border-color:rgb(39, 103, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 103, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 103, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 103, 230);  
box-shadow:4px 4px 4px 4px rgb(39, 103,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8450, 0.1772, 0.1406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 103, 230) }
```

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

```
.background{ background-color: rgb(39, 103,  
230) }
```

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