

Converting Colors

$Yxy(15.3501, 0.1860, 0.1419)$

Have a look what the booklet for
Yxy(15.3501, 0.1860, 0.1419)
contains.

Yxy(15.2410, 0.1858, 0.1416)	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

$Y_{xy}(15.2410, 0.1858, 0.1416)$

Conversions

Conversions Part 1

Format	Color
Hex	4162E0
RGB	65, 98, 224
RGB Percent	25%, 38%, 88%
CMY	0.7452, 0.6156, 0.1216
CMYK	0.71, 0.56, 0.00, 0.12
HSL	228°, 72%, 57%
HSV	228°, 71%, 88%
XYZ	19.9984, 15.2410, 72.3948
YIQ	102.4970, -60.1140, 32.1900

Conversions

Conversions Part 2

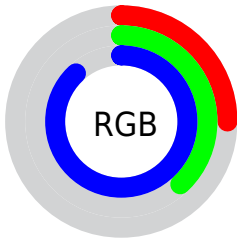
Format	Color
R _{YB}	65, 92, 224
Decimal	4285152
CIE Lab	45.96, 30.31, -67.73
CIE LCh	46, 74.200, 294.108
Yxy	15.2410, 0.1858, 0.1416
Android (android.graphics.Color)	4282475232 (0xFF4162E0)
YUV	102.4970, 59.9010, -32.8849
Hunter-Lab	39.0397, 23.1186, -82.6188

Details

The Yxy color **15.2410, 0.1858, 0.1416** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle muted azure. A complement of this color would be **53.4638, 0.4321, 0.4592**, and the grayscale version is **13.2753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2251, 0.2232, 0.1952**, and **5.2831, 0.1620, 0.1032** is the 20% darker color. If you saturate the color by 10%, you get **11.6618, 0.1718, 0.1157**, and if you desaturate by 10%, it is **19.8598, 0.2027, 0.1703**.

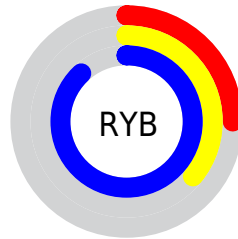
Distribution



Red (25%)

Green (38%)

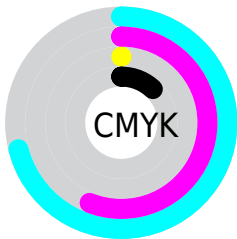
Blue (88%)



Red (25%)

Yellow (36%)

Blue (88%)

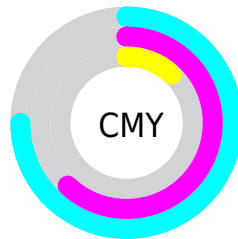


Cyan (71%)

Magenta (56%)

Yellow (0%)

Black (12%)



Cyan (75%)


Magenta (62%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2410, 0.1858, 0.1416 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 15.2410, 0.1858, 0.1416 by changing the saturation by 10% instead.


 15.2410, 0.1858,
0.1416


 15.2410, 0.1858,
0.1416


224.8203, 0.2556,
0.2348


 8.9887, 0.1679,
0.1207


 35.2754, 0.2119,
0.1742


 4.7338, 0.1452,
0.0960


 49.8263, 0.2216,
0.1869

 2.0919, 0.1167,
0.0676

 67.9122, 0.2297,
0.1978

 0.6601, 0.0817,
0.0363

 89.9175, 0.2365,
0.2073

 0.0000, 0.0325,
0.0000

116.2265, 0.2423,
0.2155

 0.0000, 0.0000,
0.0000

147.2238, 0.2474,

0.2227

183.2936, 0.2517,
0.2291

■ 15.2410, 0.1858,
0.1416

■ 15.2410, 0.1858,
0.1416

■ 11.6618, 0.1718,
0.1157

■ 19.8598, 0.2027,
0.1703

■ 9.0338, 0.1615,
0.0941

■ 25.5939, 0.2214,
0.2002

■ 7.3768, 0.1554,
0.0793

■ 32.5126, 0.2408,
0.2296

■ 40.6792, 0.2600,
0.2575

■ 50.1525, 0.2784,
0.2833

■ 60.9872, 0.2956,
0.3065

■ 73.2350, 0.3112,
0.3271

■ 86.9449, 0.3254,
0.3452

■ 98.1608, 0.3310,
0.3592

Harmonies

Analogous

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



15.2410, 0.1221, 0.1401



15.2410, 0.1858, 0.1416



15.2410, 0.3023, 0.1730

Triad

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



15.2410, 0.1858, 0.1416



15.2410, 0.5780, 0.3867



15.2410, 0.1613, 0.4480

Complementary

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



15.2410, 0.1858, 0.1416



53.4638, 0.4321, 0.4592

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.



15.2410, 0.2650, 0.5991



15.2410, 0.1858, 0.1416



15.2410, 0.5022, 0.4857

Square

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



15.2410, 0.1858, 0.1416



15.2410, 0.5722, 0.3056



15.2410, 0.3861, 0.5831



15.2410, 0.1069, 0.2704

Rectangle

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



15.2410, 0.1858, 0.1416



15.2410, 0.4055, 0.2097



15.2410, 0.3861, 0.5831



15.2410, 0.1916, 0.5122

Sweetspot

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



15.2414, 0.1858, 0.1416



67.0752, 0.2781, 0.2829



58.1212, 0.2475, 0.3778



13.5633, 0.2731, 0.2760



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.



15.2414, 0.1858, 0.1416



13.8666, 0.1665, 0.1051



12.4756, 0.2054, 0.1177



13.7024, 0.2981, 0.3099



4.4282, 0.1560, 0.0815



0.4356, 0.1637, 0.1094

Inverse Universe

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



20.5043, 0.5047, 0.2971



23.2912, 0.5633, 0.3015



63.2577, 0.3718, 0.5093



13.7469, 0.3259, 0.3242



9.3551, 0.6046, 0.3104



0.6614, 0.5619, 0.2869

Previews

White Background



This preview shows how the Yxy color 15.2410, 0.1858, 0.1416 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 15.2410, 0.1858, 0.1416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

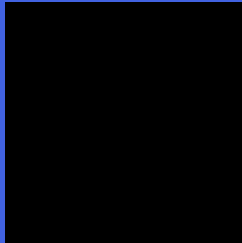
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.2410, 0.1858, 0.1416

Background



This preview shows how black text looks on a background with the Yxy color 15.2410, 0.1858, 0.1416.



This preview shows how white text looks on a background with the Yxy color 15.2410, 0.1858, 0.1416.

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

15.2410, 0.1858, 0.1416

Protanopia

15.1211, 0.1739, 0.1461

Deuteranopia

15.1305, 0.1848, 0.1853



Tritanopia

15.0179, 0.2188, 0.3077

Trichromacy



Original Color

15.2410, 0.1858, 0.1416

Protanomaly

14.9709, 0.1756, 0.1435

Deuteranomaly

14.8141, 0.1820, 0.1653

Tritanomaly

14.4629, 0.1993, 0.2240

Monochromacy



Original Color

15.2410, 0.1858, 0.1416

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.5065, 0.2470, 0.2389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2410, 0.1858, 0.1416 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(65, 98, 224)` looks like.

```
.text, #text, p{  
    color:rgb(65, 98, 224)  
}
```

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(65, 98, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 98, 224) }
```

Border

The CSS property to change the border of an element to Yxy 15.2410, 0.1858, 0.1416 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(65, 98, 224) }
```

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

```
.border{ border-color:rgb(65, 98, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 98, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 98, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 98, 224);  
box-shadow:4px 4px 4px 4px rgb(65, 98,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2410, 0.1858, 0.1416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 98, 224) }
```

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

```
.background{ background-color: rgb(65, 98,  
224) }
```

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