

Converting Colors

$Y_{xy}(15.2680, 0.1759, 0.1422)$

Have a look what the booklet for
Yxy(15.2680, 0.1759, 0.1422)
contains.

Yxy(15.2002, 0.1758, 0.1418)	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(15.2002, 0.1758, 0.1418)

Conversions

Conversions Part 1

Format	Color
Hex	1D66E1
RGB	29, 102, 225
RGB Percent	11%, 40%, 88%
CMY	0.8862, 0.6000, 0.1178
CMYK	0.87, 0.55, 0.00, 0.12
HSL	218°, 77%, 50%
HSV	218°, 87%, 88%
XYZ	18.8448, 15.2002, 73.1496
YIQ	94.1950, -82.9910, 22.7770

Conversions

Conversions Part 2

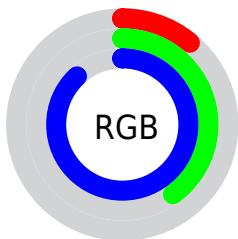
Format	Color
R_{YB}	29, 82, 225
Decimal	1926881
CIE _{Lab}	45.91, 24.71, -68.43
CIE _{LCh}	46, 72.755, 289.858
Yxy	15.2002, 0.1758, 0.1418
Android (android.graphics.Color)	4280116961 (0xFF1D66E1)
YUV	94.1950, 64.4869, -57.1760
Hunter-Lab	38.9874, 18.0511, -83.9508

Details

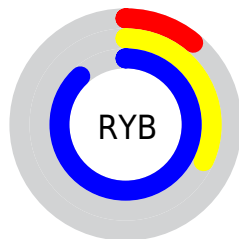
The Yxy color **15.2002, 0.1758, 0.1418** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **38.5410, 0.4862, 0.4410**, and the grayscale version is **11.1038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1212, 0.2138, 0.1969**, and **5.7908, 0.1639, 0.1101** is the 20% darker color. If you saturate the color by 10%, you get **12.4383, 0.1676, 0.1216**, and if you desaturate by 10%, it is **18.6718, 0.1869, 0.1644**.

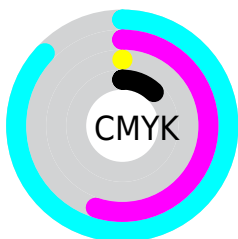
Distribution



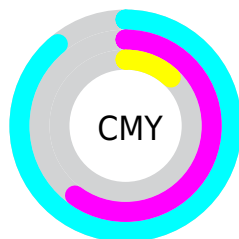
- Red (11%)
- Green (40%)
- Blue (88%)



- Red (11%)
- Yellow (32%)
- Blue (88%)



- Cyan (87%)
- Magenta (55%)
- Yellow (0%)
- Black (12%)



- Cyan (89%)
- Magenta (60%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2002, 0.1758, 0.1418 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 15.2002, 0.1758, 0.1418 by changing the saturation by 10% instead.


 15.2002, 0.1758,
0.1418


 15.2002, 0.1758,
0.1418


224.5748, 0.2501,
0.2355


 8.9600, 0.1571,
0.1207


 35.2040, 0.2033,
0.1746


 4.7151, 0.1338,
0.0958


 49.7364, 0.2136,
0.1874

 2.0811, 0.1050,
0.0673

 67.8017, 0.2222,
0.1984

 0.6540, 0.0705,
0.0358

 89.7842, 0.2295,
0.2079

 0.0000, 0.0177,
0.0000

 116.0684, 0.2358,
0.2161

 0.0000, 0.0000,
0.0000

147.0386, 0.2412,

0.2234

183.0793, 0.2459,
0.2298

■ 15.2002, 0.1758,
0.1418

■ 15.2002, 0.1758,
0.1418

■ 12.4383, 0.1676,
0.1216

■ 18.6718, 0.1869,
0.1644

■ 11.7434, 0.1656,
0.1162

■ 22.9210, 0.2007,
0.1884

■ 28.0050, 0.2165,
0.2128

■ 33.9740, 0.2335,
0.2368

■ 40.8735, 0.2511,
0.2597

■ 48.7456, 0.2686,
0.2809

■ 57.6295, 0.2856,
0.3003

■ 67.5622, 0.3018,
0.3178

■ 78.5785, 0.3170,
0.3333

Harmonies

Analogous

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



15.2002, 0.1188, 0.1449



15.2002, 0.1758, 0.1418



15.2002, 0.2831, 0.1688

Triad

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



15.2002, 0.1758, 0.1418



15.2002, 0.5798, 0.3753



15.2002, 0.1761, 0.4730

Complementary

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



15.2002, 0.1758, 0.1418



38.5410, 0.4862, 0.4410

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.



15.2002, 0.2834, 0.6012



15.2002, 0.1758, 0.1418



15.2002, 0.5140, 0.4698

Square

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



15.2002, 0.1758, 0.1418



15.2002, 0.5579, 0.2959



15.2002, 0.4036, 0.5684



15.2002, 0.1141, 0.2920

Rectangle

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



15.2002, 0.1758, 0.1418



15.2002, 0.3818, 0.2027



15.2002, 0.4036, 0.5684



15.2002, 0.2083, 0.5321

Sweetspot

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



15.2006, 0.1758, 0.1418



65.7883, 0.2702, 0.2828



56.2906, 0.2589, 0.4428



13.2593, 0.2641, 0.2756



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.



15.2006, 0.1758, 0.1418



15.4014, 0.1653, 0.1150



7.0413, 0.1638, 0.0747



14.0755, 0.2981, 0.3139



6.9753, 0.1664, 0.1190



0.6513, 0.1750, 0.1500

Inverse Universe

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



17.8414, 0.5137, 0.2705



22.0859, 0.5538, 0.2825



66.4918, 0.3985, 0.5143



13.7846, 0.3234, 0.3203



9.6122, 0.5480, 0.2793



0.6832, 0.5059, 0.2561

Previews

White Background



This preview shows how the Yxy color 15.2002, 0.1758, 0.1418 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 15.2002, 0.1758, 0.1418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

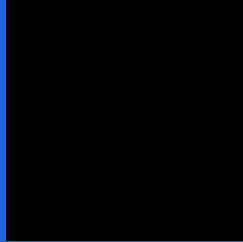
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

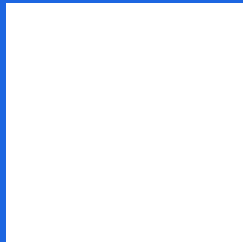
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.2002, 0.1758, 0.1418

Background



This preview shows how black text looks on a background with the Yxy color 15.2002, 0.1758, 0.1418.



This preview shows how white text looks on a background with the Yxy color 15.2002, 0.1758, 0.1418.

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

15.2002, 0.1758, 0.1418

Protanopia

15.1211, 0.1739, 0.1461

Deuteranopia

15.1305, 0.1848, 0.1853



Tritanopia

14.9915, 0.2195, 0.3100

Trichromacy



Original Color

15.2002, 0.1758, 0.1418

Protanomaly

15.0456, 0.1743, 0.1443

Deuteranomaly

15.1081, 0.1810, 0.1680

Tritanomaly

14.5257, 0.1978, 0.2271

Monochromacy



Original Color

15.2002, 0.1758, 0.1418

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.8045, 0.2302, 0.2326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2002, 0.1758, 0.1418 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(29, 102, 225)` looks like.

```
.text, #text, p{  
    color:rgb(29, 102, 225)  
}
```

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(29, 102, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 102, 225) }
```

Border

The CSS property to change the border of an element to Yxy 15.2002, 0.1758, 0.1418 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(29, 102, 225) }
```

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

```
.border{ border-color:rgb(29, 102, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 102, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 102, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 102, 225);  
box-shadow:4px 4px 4px 4px rgb(29, 102,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2002, 0.1758, 0.1418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 102, 225) }
```

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

```
.background{ background-color: rgb(29, 102,  
225) }
```

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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