

Converting Colors

$Yxy(15.2484, 0.1745, 0.1414)$

Have a look what the booklet for
Yxy(15.2484, 0.1745, 0.1414)
contains.

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Color

Yxy(15.3509, 0.1746, 0.1419)

Conversions

Conversions Part 1

Format	Color
Hex	1567E2
RGB	21, 103, 226
RGB Percent	8%, 40%, 89%
CMY	0.9180, 0.5961, 0.1136
CMYK	0.91, 0.54, 0.00, 0.11
HSL	216°, 83%, 48%
HSV	216°, 91%, 89%
XYZ	18.8884, 15.3509, 73.9418
YIQ	92.5040, -88.3550, 20.8690

Conversions

Conversions Part 2

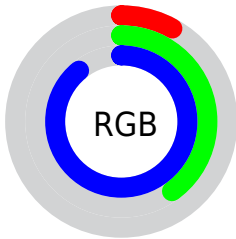
Format	Color
R _Y B	21, 80, 226
Decimal	1402850
CIE Lab	46.11, 24.06, -68.71
CIE LCh	46, 72.798, 289.299
Yxy	15.3509, 0.1746, 0.1419
Android (android.graphics.Color)	4279592930 (0xFF1567E2)
YUV	92.5040, 65.8135, -62.7090
Hunter-Lab	39.1802, 17.4878, -84.4672

Details

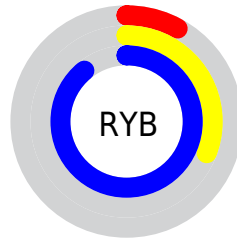
The Yxy color **15.3509, 0.1746, 0.1419** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **36.1559, 0.4989, 0.4350**, and the grayscale version is **10.6791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3175, 0.2131, 0.1979**, and **5.9284, 0.1642, 0.1110** is the 20% darker color. If you saturate the color by 10%, you get **12.8828, 0.1678, 0.1240**, and if you desaturate by 10%, it is **18.6366, 0.1845, 0.1633**.

Distribution



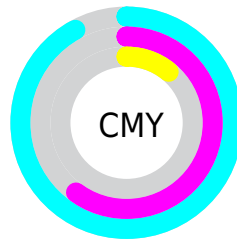
- Red (8%)
- Green (40%)
- Blue (89%)



- Red (8%)
- Yellow (31%)
- Blue (89%)



- Cyan (91%)
- Magenta (54%)
- Yellow (0%)
- Black (11%)





- Cyan (92%)
- Magenta (60%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3509, 0.1746, 0.1419 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 15.3509, 0.1746, 0.1419 by changing the saturation by 10% instead.


 15.3509, 0.1746,
0.1419


 15.3509, 0.1746,
0.1419


225.4804, 0.2493,
0.2354


 9.0660, 0.1559,
0.1209


 35.4676, 0.2022,
0.1747


 4.7843, 0.1327,
0.0961


 50.0682, 0.2125,
0.1874


 2.1213, 0.1039,
0.0676

 68.2095, 0.2212,
0.1984

 0.6765, 0.0697,
0.0364

 90.2759, 0.2286,
0.2079

 0.0000, 0.0179,
0.0000

 116.6518, 0.2349,
0.2161

 0.0000, 0.0000,
0.0000

147.7216, 0.2403,

0.2233

183.8697, 0.2451,
0.2297

■ 15.3509, 0.1746,
0.1419

■ 15.3509, 0.1746,
0.1419

■ 12.8828, 0.1678,
0.1240

■ 18.6366, 0.1845,
0.1633

■ 22.6502, 0.1970,
0.1861

■ 27.4492, 0.2118,
0.2095

■ 33.0839, 0.2281,
0.2327

■ 39.5991, 0.2452,
0.2550

■ 47.0363, 0.2625,
0.2759

■ 55.4338, 0.2796,
0.2951

■ 64.8275, 0.2960,
0.3124

■ 75.2514, 0.3116,
0.3279

Harmonies

Analogous

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



15.3509, 0.1185, 0.1456



15.3509, 0.1746, 0.1419



15.3509, 0.2807, 0.1683

Triad

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



15.3509, 0.1746, 0.1419



15.3509, 0.5798, 0.3738



15.3509, 0.1781, 0.4761

Complementary

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



15.3509, 0.1746, 0.1419



36.1559, 0.4989, 0.4350

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.



15.3509, 0.2859, 0.6012



15.3509, 0.1746, 0.1419



15.3509, 0.5153, 0.4677

Square

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



15.3509, 0.1746, 0.1419



15.3509, 0.5558, 0.2947



15.3509, 0.4058, 0.5663



15.3509, 0.1152, 0.2950

Rectangle

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



15.3509, 0.1746, 0.1419



15.3509, 0.3787, 0.2019



15.3509, 0.4058, 0.5663



15.3509, 0.2105, 0.5344

Sweetspot

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



15.3513, 0.1746, 0.1419



65.6214, 0.2687, 0.2829



56.4787, 0.2625, 0.4592



13.2633, 0.2627, 0.2762



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.



15.3513, 0.1746, 0.1419



16.7330, 0.1675, 0.1229



6.4377, 0.1580, 0.0687



14.1391, 0.2981, 0.3146



7.5652, 0.1686, 0.1269



0.6962, 0.1771, 0.1576

Inverse Universe

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



17.6861, 0.5148, 0.2671



22.2203, 0.5426, 0.2763



68.0104, 0.4042, 0.5128



13.7910, 0.3230, 0.3197



9.6717, 0.5369, 0.2731



0.6877, 0.4961, 0.2507

Previews

White Background



This preview shows how the Yxy color 15.3509, 0.1746, 0.1419 looks on a white background.

Color Contrast Check

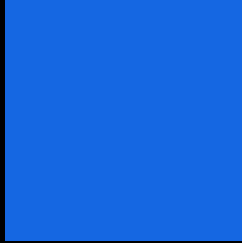
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3509, 0.1746, 0.1419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

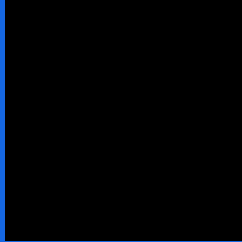
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

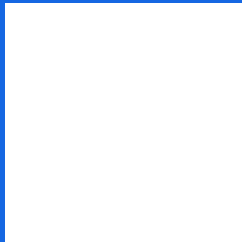
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.3509, 0.1746, 0.1419

Background



This preview shows how black text looks on a background with the Yxy color 15.3509, 0.1746, 0.1419.



This preview shows how white text looks on a background with the Yxy color 15.3509, 0.1746, 0.1419.

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

15.3509, 0.1746, 0.1419

Protanopia

15.1746, 0.1737, 0.1454

Deuteranopia

15.1747, 0.1845, 0.1842



Tritanopia

15.2333, 0.2201, 0.3124

Trichromacy



Original Color

15.3509, 0.1746, 0.1419

Protanomaly

15.2800, 0.1742, 0.1449

Deuteranomaly

15.1364, 0.1804, 0.1669

Tritanomaly

14.7666, 0.1976, 0.2276

Monochromacy



Original Color

15.3509, 0.1746, 0.1419

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.4471, 0.2270, 0.2312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3509, 0.1746, 0.1419 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(21, 103, 226)` looks like.

```
.text, #text, p{  
    color:rgb(21, 103, 226)  
}
```

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(21, 103, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 103, 226) }
```

Border

The CSS property to change the border of an element to Yxy 15.3509, 0.1746, 0.1419 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(21, 103, 226) }
```

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

```
.border{ border-color:rgb(21, 103, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 103, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 103, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 103, 226);  
box-shadow:4px 4px 4px 4px rgb(21, 103,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3509, 0.1746, 0.1419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 103, 226) }
```

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

```
.background{ background-color: rgb(21, 103,  
226) }
```

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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