

Converting Colors

$Y_{xy}(14.8752, 0.1780, 0.1382)$

Have a look what the booklet for
Yxy(14.8752, 0.1780, 0.1382)
contains.

Yxy(14.9501, 0.1780, 0.1384)	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(14.9501, 0.1780, 0.1384)

Conversions

Conversions Part 1

Format	Color
Hex	2C63E2
RGB	44, 99, 226
RGB Percent	17%, 39%, 89%
CMY	0.8278, 0.6118, 0.1136
CMYK	0.81, 0.56, 0.00, 0.11
HSL	222°, 76%, 53%
HSV	222°, 81%, 89%
XYZ	19.2277, 14.9501, 73.8431
YIQ	97.0330, -73.5470, 27.8370

Conversions

Conversions Part 2

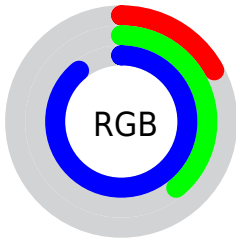
Format	Color
R _Y B	44, 86, 226
Decimal	2909154
CIE Lab	45.57, 28.15, -69.57
CIE LCh	46, 75.047, 292.028
Yxy	14.9501, 0.1780, 0.1384
Android (android.graphics.Color)	4281099234 (0xFF2C63E2)
YUV	97.0330, 63.5807, -46.5099
Hunter-Lab	38.6654, 21.1011, -86.1663




Details

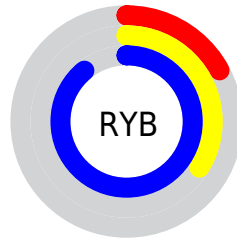
The Yxy color **14.9501, 0.1780, 0.1384** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **45.4574, 0.4613, 0.4521**, and the grayscale version is **11.8122, 0.3127, 0.3290**.




A 20% lighter version of the original color is **32.6368, 0.2167, 0.1942**, and **5.5406, 0.1625, 0.1050** is the 20% darker color. If you saturate the color by 10%, you get **11.8784, 0.1676, 0.1160**, and if you desaturate by 10%, it is **18.8777, 0.1916, 0.1635**.

Distribution







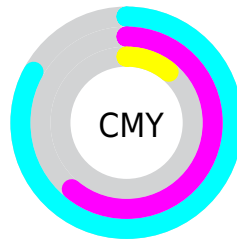
-  Red (17%)
-  Green (39%)
-  Blue (89%)






-  Red (17%)
-  Yellow (34%)
-  Blue (89%)



-  Cyan (81%)
-  Magenta (56%)
-  Yellow (0%)
-  Black (11%)





-  Cyan (83%)
-  Magenta (61%)
-  Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9501, 0.1780, 0.1384 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 14.9501, 0.1780, 0.1384 by changing the saturation by 10% instead.


 14.9501, 0.1780,
0.1384


 14.9501, 0.1780,
0.1384


223.0640, 0.2515,
0.2331

 8.7844, 0.1594,
0.1173


 34.7656, 0.2053,
0.1714


 4.6008, 0.1363,
0.0925


 49.1842, 0.2154,
0.1844


 2.0150, 0.1075,
0.0643

 67.1225, 0.2240,
0.1955

 0.6162, 0.0729,
0.0333

 88.9650, 0.2312,
0.2051

 0.0000, 0.0221,
0.0000

 115.0959, 0.2374,
0.2135

 0.0000, 0.0000,
0.0000

145.8998, 0.2427,

0.2208

181.7611, 0.2474,
0.2273

■ 14.9501, 0.1780,
0.1384

■ 14.9501, 0.1780,
0.1384

■ 11.8784, 0.1676,
0.1160

■ 18.8777, 0.1916,
0.1635

■ 9.6719, 0.1606,
0.0982

■ 23.7302, 0.2076,
0.1901

■ 29.5696, 0.2252,
0.2169

■ 36.4515, 0.2435,
0.2429

■ 44.4272, 0.2618,
0.2673

■ 53.5440, 0.2795,
0.2898

■ 63.8468, 0.2963,
0.3100

■ 75.3775, 0.3119,
0.3280

■ 88.1760, 0.3262,
0.3439

Harmonies

Analogous

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



14.9501, 0.1172, 0.1390



14.9501, 0.1780, 0.1384



14.9501, 0.2919, 0.1679

Triad

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



14.9501, 0.1780, 0.1384



14.9501, 0.5842, 0.3799



14.9501, 0.1647, 0.4643

Complementary

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



14.9501, 0.1780, 0.1384



45.4574, 0.4613, 0.4521

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.



14.9501, 0.2715, 0.6089



14.9501, 0.1780, 0.1384



14.9501, 0.5112, 0.4793

Square

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



14.9501, 0.1780, 0.1384



14.9501, 0.5716, 0.2991



14.9501, 0.3945, 0.5810



14.9501, 0.1064, 0.2788

Rectangle

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



14.9501, 0.1780, 0.1384



14.9501, 0.3955, 0.2036



14.9501, 0.3945, 0.5810



14.9501, 0.1963, 0.5286

Sweetspot

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



14.9505, 0.1780, 0.1384



65.9064, 0.2732, 0.2820



57.7818, 0.2531, 0.4138



13.1912, 0.2669, 0.2739



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.



14.9505, 0.1780, 0.1384



13.3754, 0.1623, 0.1024



8.8780, 0.1783, 0.0894



13.9160, 0.2981, 0.3122



5.6993, 0.1614, 0.1009



0.5491, 0.1699, 0.1316

Inverse Universe

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



18.8692, 0.5151, 0.2815



22.0425, 0.5717, 0.2940



65.8791, 0.3874, 0.5150



13.7685, 0.3245, 0.3219



9.4834, 0.5745, 0.2939



0.6729, 0.5304, 0.2696

Previews

White Background



This preview shows how the Yxy color 14.9501, 0.1780, 0.1384 looks on a white background.

Color Contrast Check

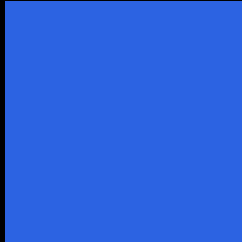
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9501, 0.1780, 0.1384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

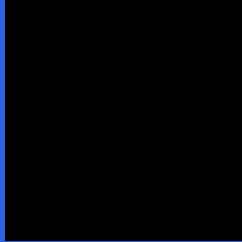
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

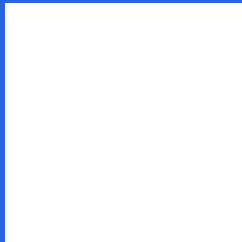
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.9501, 0.1780, 0.1384

Background



This preview shows how black text looks on a background with the Yxy color 14.9501, 0.1780, 0.1384.



This preview shows how white text looks on a background with the Yxy color 14.9501, 0.1780, 0.1384.

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

14.9501, 0.1780, 0.1384

Protanopia

14.8150, 0.1739, 0.1461

Deuteranopia

14.8260, 0.1849, 0.1858



Tritanopia

14.7260, 0.2194, 0.3099

Trichromacy



Original Color

14.9501, 0.1780, 0.1384

Protanomaly

14.8868, 0.1744, 0.1431

Deuteranomaly

14.6825, 0.1810, 0.1658

Tritanomaly

14.3428, 0.1980, 0.2251

Monochromacy



Original Color

14.9501, 0.1780, 0.1384

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.3687, 0.2366, 0.2333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9501, 0.1780, 0.1384 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(44, 99, 226)` looks like.

```
.text, #text, p{  
    color:rgb(44, 99, 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(44, 99, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 99, 226) }
```

Border

The CSS property to change the border of an element to Yxy 14.9501, 0.1780, 0.1384 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(44, 99, 226) }
```

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

```
.border{ border-color:rgb(44, 99, 226) }
```

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

Here you see how a box with a 4 pixel rgb(44, 99, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 99, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 99, 226);  
box-shadow:4px 4px 4px 4px rgb(44, 99,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9501, 0.1780, 0.1384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 99, 226) }
```

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

```
.background{ background-color: rgb(44, 99,  
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](#).

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