

Converting Colors

$Yxy(13.3819, 0.1740, 0.1450)$

Have a look what the booklet for
Yxy(13.3819, 0.1740, 0.1450)
contains.

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Color

Yxy(13.4143, 0.1741, 0.1455)

Conversions

Conversions Part 1

Format	Color
Hex	0462D2
RGB	4, 98, 210
RGB Percent	2%, 38%, 82%
CMY	0.9848, 0.6157, 0.1764
CMYK	0.98, 0.53, 0.00, 0.18
HSL	213°, 96%, 42%
HSV	213°, 98%, 82%
XYZ	16.0511, 13.4143, 62.7291
YIQ	82.6620, -91.9760, 14.9040

Conversions

Conversions Part 2

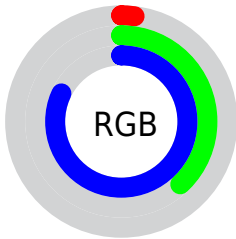
Format	Color
R _Y B	4, 69, 210
Decimal	287442
CIE Lab	43.38, 20.42, -64.04
CIE LCh	43, 67.213, 287.685
Yxy	13.4143, 0.1741, 0.1455
Android (android.graphics.Color)	4278477522 (0xFF0462D2)
YUV	82.6620, 62.7776, -68.9866
Hunter-Lab	36.6255, 14.1325, -75.9090

Details

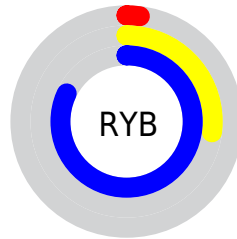
The Yxy color **13.4143, 0.1741, 0.1455** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **26.1817, 0.5258, 0.4192**, and the grayscale version is **8.4560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2246, 0.2078, 0.1902**, and **4.8793, 0.1648, 0.1131** is the 20% darker color. If you saturate the color by 10%, you get **12.9999, 0.1728, 0.1421**, and if you desaturate by 10%, it is **15.8851, 0.1817, 0.1645**.

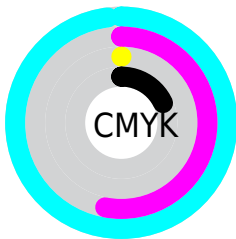
Distribution



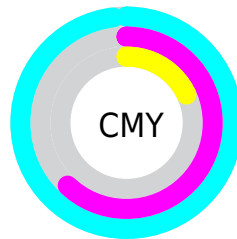
- Red (2%)
- Green (38%)
- Blue (82%)



- Red (2%)
- Yellow (27%)
- Blue (82%)



- Cyan (98%)
- Magenta (53%)
- Yellow (0%)
- Black (18%)





- Cyan (98%)
- Magenta (62%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4143, 0.1741, 0.1455 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 13.4143, 0.1741, 0.1455 by changing the saturation by 10% instead.


 13.4143, 0.1741,
0.1455


 13.4143, 0.1741,
0.1455


213.5561, 0.2507,
0.2402


 7.7145, 0.1543,
0.1233


 32.0461, 0.2029,
0.1794


 3.9128, 0.1294,
0.0969

 45.7469, 0.2135,
0.1924

 1.6249, 0.0984,
0.0661

 62.8834, 0.2223,
0.2034

 0.3743, 0.0618,
0.0271

 83.8400, 0.2298,
0.2129

 0.0000, 0.0000,
0.0000

 109.0012, 0.2362,
0.2211

138.7514, 0.2417,

0.2283

173.4749, 0.2465,
0.2346

■ 13.4143, 0.1741,
0.1455

■ 13.4143, 0.1741,
0.1455

■ 12.9999, 0.1728,
0.1421

■ 15.8851, 0.1817,
0.1645

■ 18.8650, 0.1918,
0.1849

■ 22.4111, 0.2043,
0.2060

■ 26.5650, 0.2187,
0.2272

■ 31.3631, 0.2345,
0.2479

■ 36.8385, 0.2510,
0.2676

■ 43.0214, 0.2677,
0.2859

■ 49.9399, 0.2842,
0.3027

■ 57.6205, 0.3002,
0.3178

Harmonies

Analogous

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



13.4143, 0.1209, 0.1512



13.4143, 0.1741, 0.1455



13.4143, 0.2751, 0.1700

Triad

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



13.4143, 0.1741, 0.1455



13.4143, 0.5743, 0.3707



13.4143, 0.1875, 0.4801

Complementary

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



13.4143, 0.1741, 0.1455



26.1817, 0.5258, 0.4192

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.



13.4143, 0.2949, 0.5929



13.4143, 0.1741, 0.1455



13.4143, 0.5165, 0.4615

Square

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



13.4143, 0.1741, 0.1455



13.4143, 0.5437, 0.2927



13.4143, 0.4122, 0.5566



13.4143, 0.1222, 0.3049

Rectangle

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



13.4143, 0.1741, 0.1455



13.4143, 0.3689, 0.2021



13.4143, 0.4122, 0.5566



13.4143, 0.2202, 0.5339

Sweetspot

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



13.4146, 0.1741, 0.1455



65.5558, 0.2657, 0.2838



47.3393, 0.2691, 0.4876



13.1289, 0.2585, 0.2761



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.



13.4146, 0.1741, 0.1455



19.8093, 0.1723, 0.1402



4.8080, 0.1516, 0.0617



12.2942, 0.2982, 0.3160



8.1239, 0.1736, 0.1448



0.6120, 0.1833, 0.1800

Inverse Universe

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



14.6708, 0.5115, 0.2603



22.5309, 0.5188, 0.2632



58.8294, 0.4133, 0.5092



11.8967, 0.3220, 0.3184



8.8914, 0.5127, 0.2598



0.5131, 0.4686, 0.2355

Previews

White Background



This preview shows how the Yxy color 13.4143, 0.1741, 0.1455 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 13.4143, 0.1741, 0.1455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

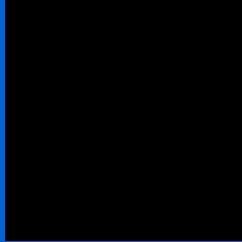
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4143, 0.1741, 0.1455

Background



This preview shows how black text looks on a background with the Yxy color 13.4143, 0.1741, 0.1455.



This preview shows how white text looks on a background with the Yxy color 13.4143, 0.1741, 0.1455.

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

13.4143, 0.1741, 0.1455

Protanopia

13.3388, 0.1739, 0.1461

Deuteranopia

13.3984, 0.1852, 0.1867



Tritanopia

13.1907, 0.2192, 0.3090

Trichromacy



Original Color

13.4143, 0.1741, 0.1455

Protanomaly

13.3453, 0.1740, 0.1462

Deuteranomaly

13.2708, 0.1804, 0.1690

Tritanomaly

13.0315, 0.1979, 0.2318

Monochromacy



Original Color

13.4143, 0.1741, 0.1455

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.3487, 0.2220, 0.2313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4143, 0.1741, 0.1455 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(4, 98, 210)` looks like.

```
.text, #text, p{  
    color:rgb(4, 98, 210)  
}
```

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(4, 98, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 98, 210) }
```

Border

The CSS property to change the border of an element to Yxy 13.4143, 0.1741, 0.1455 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(4, 98, 210) }
```

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

```
.border{ border-color:rgb(4, 98, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 98, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 98, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 98, 210);  
box-shadow:4px 4px 4px 4px rgb(4, 98, 210)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4143, 0.1741, 0.1455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 98, 210) }
```

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

```
.background{ background-color: rgb(4, 98,  
210) }
```

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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