

Converting Colors

$Y_{xy}(9.5654, 0.1036, 0.1171)$

Have a look what the booklet for
Yxy(9.5654, 0.1036, 0.1171)
contains.

Yxy(13.6771, 0.1737, 0.1454)	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(13.6771, 0.1737, 0.1454)

Conversions

Conversions Part 1

Format	Color
Hex	0063D4
RGB	0, 99, 212
RGB Percent	0%, 39%, 83%
CMY	1.0000, 0.6117, 0.1687
CMYK	1.00, 0.53, 0.00, 0.17
HSL	212°, 100%, 42%
HSV	212°, 100%, 83%
XYZ	16.3391, 13.6771, 64.0491
YIQ	82.2810, -95.2770, 14.1550

Conversions

Conversions Part 2

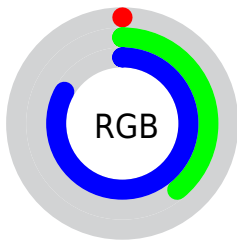
Format	Color
RYB	0, 67, 212
Decimal	25556
CIELab	43.77, 20.40, -64.53
CIELCh	44, 67.680, 287.544
Yxy	13.6771, 0.1737, 0.1454
Android (android.graphics.Color)	4278215636 (0xFF0063D4)
YUV	82.2810, 63.9515, -72.1604
Hunter-Lab	36.9826, 14.1430, -76.7949

Details

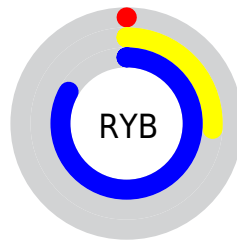
The Yxy color **13.6771, 0.1737, 0.1454** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **25.7934, 0.5323, 0.4155**, and the grayscale version is **8.3827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4816, 0.2076, 0.1913**, and **5.0386, 0.1649, 0.1135** is the 20% darker color. If you saturate the color by 10%, you get **13.6797, 0.1737, 0.1454**, and if you desaturate by 10%, it is **16.1339, 0.1810, 0.1640**.

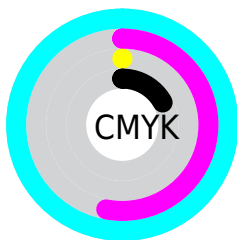
Distribution



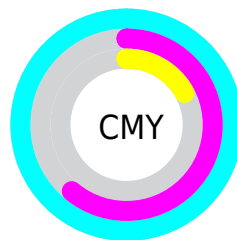
- Red (0%)
- Green (39%)
- Blue (83%)



- Red (0%)
- Yellow (26%)
- Blue (83%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (61%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6771, 0.1737, 0.1454 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 13.6771, 0.1737, 0.1454 by changing the saturation by 10% instead.


 13.6771, 0.1737,
0.1454


 13.6771, 0.1737,
0.1454


215.2127, 0.2503,
0.2398


 7.8964, 0.1540,
0.1234


 32.5150, 0.2024,
0.1791


 4.0287, 0.1293,
0.0971

 46.3410, 0.2130,
0.1921


 1.6897, 0.0986,
0.0666

 63.6176, 0.2218,
0.2031

 0.4169, 0.0623,
0.0290

 84.7291, 0.2293,
0.2126

 0.0000, 0.0000,
0.0000

 110.0600, 0.2357,
0.2208

139.9946, 0.2412,

0.2279

174.9174, 0.2460,
0.2342

■ 13.6771, 0.1737,
0.1454

■ 13.6771, 0.1737,
0.1454

■ 13.6797, 0.1737,
0.1454

■ 16.1339, 0.1810,
0.1640

■ 19.0766, 0.1905,
0.1839

■ 22.5781, 0.2024,
0.2046

■ 26.6814, 0.2164,
0.2254

■ 31.4242, 0.2318,
0.2458

■ 36.8401, 0.2481,
0.2653

■ 42.9598, 0.2647,
0.2835

■ 49.8120, 0.2812,
0.3003

■ 57.4236, 0.2973,
0.3154

Harmonies

Analogous

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



13.6771, 0.1207, 0.1512



13.6771, 0.1737, 0.1454



13.6771, 0.2745, 0.1697

Triad

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



13.6771, 0.1737, 0.1454



13.6771, 0.5744, 0.3703



13.6771, 0.1879, 0.4810

Complementary

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



13.6771, 0.1737, 0.1454



25.7934, 0.5323, 0.4155

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.



13.6771, 0.2954, 0.5932



13.6771, 0.1737, 0.1454



13.6771, 0.5169, 0.4610

Square

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



13.6771, 0.1737, 0.1454



13.6771, 0.5434, 0.2924



13.6771, 0.4127, 0.5562



13.6771, 0.1223, 0.3056

Rectangle

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



13.6771, 0.1737, 0.1454



13.6771, 0.3682, 0.2018



13.6771, 0.4127, 0.5562



13.6771, 0.2206, 0.5347

Sweetspot

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



13.6797, 0.1737, 0.1454



64.9567, 0.2641, 0.2830



48.1897, 0.2713, 0.4966



13.0301, 0.2571, 0.2754



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.



13.6797, 0.1737, 0.1454



20.4419, 0.1732, 0.1436



4.7750, 0.1504, 0.0602



12.9555, 0.2982, 0.3163



8.6440, 0.1744, 0.1480



0.6862, 0.1835, 0.1807

Inverse Universe

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



14.8945, 0.5119, 0.2594



22.5948, 0.5143, 0.2607



60.5484, 0.4164, 0.5076



12.5164, 0.3219, 0.3182



9.2175, 0.5086, 0.2575



0.5726, 0.4678, 0.2350

Previews

White Background



This preview shows how the Yxy color 13.6771, 0.1737, 0.1454 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 13.6771, 0.1737, 0.1454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

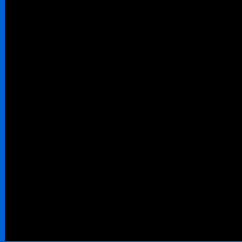
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

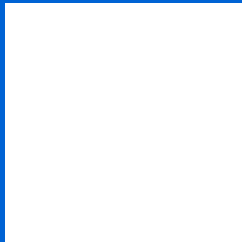
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.6771, 0.1737, 0.1454

Background



This preview shows how black text looks on a background with the Yxy color 13.6771, 0.1737, 0.1454.



This preview shows how white text looks on a background with the Yxy color 13.6771, 0.1737, 0.1454.

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

13.6771, 0.1737, 0.1454

Protanopia

13.6268, 0.1739, 0.1461

Deuteranopia

13.6855, 0.1851, 0.1863



Tritanopia

13.6666, 0.2199, 0.3117

Trichromacy



Original Color

13.6771, 0.1737, 0.1454

Protanomaly

13.6268, 0.1739, 0.1461

Deuteranomaly

13.5508, 0.1802, 0.1687

Tritanomaly

13.3038, 0.1974, 0.2307

Monochromacy



Original Color

13.6771, 0.1737, 0.1454

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.2945, 0.2203, 0.2309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6771, 0.1737, 0.1454 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(0, 99, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 212)  
}
```

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(0, 99, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 212) }
```

Border

The CSS property to change the border of an element to Yxy 13.6771, 0.1737, 0.1454 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(0, 99, 212) }
```

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

```
.border{ border-color:rgb(0, 99, 212) }
```

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

Here you see how a box with a 4 pixel rgb(0, 99, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 212)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6771, 0.1737, 0.1454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 212) }
```

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

```
.background{ background-color: rgb(0, 99,  
212) }
```

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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