

Converting Colors

$Y_{xy}(13.1079, 0.1714, 0.0996)$

Have a look what the booklet for
Yxy(13.1079, 0.1714, 0.0996)
contains.

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Color

Yxy(13.0751, 0.1714, 0.0994)

Conversions

Conversions Part 1

Format	Color
Hex	4049FF
RGB	64, 73, 255
RGB Percent	25%, 29%, 100%
CMY	0.7487, 0.7137, 0.0001
CMYK	0.75, 0.71, 0.00, 0.00
HSL	237°, 100%, 63%
HSV	237°, 75%, 100%
XYZ	22.5460, 13.0751, 95.9191
YIQ	91.0570, -63.7860, 54.6940

Conversions

Conversions Part 2

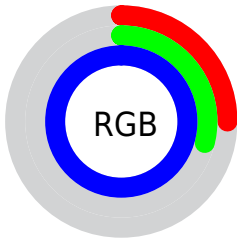
Format	Color
R _Y B	64, 73, 255
Decimal	4213247
CIE Lab	42.88, 55.74, -90.21
CIE LCh	43, 106.044, 301.709
Yxy	13.0751, 0.1714, 0.0994
Android (android.graphics.Color)	4282403327 (0xFF4049FF)
YUV	91.0570, 80.8239, -23.7290
Hunter-Lab	36.1595, 48.0183, -131.9650

Details

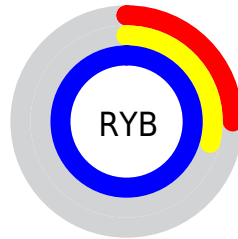
The Yxy color **13.0751, 0.1714, 0.0994** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **87.5653, 0.4162, 0.4851**, and the grayscale version is **10.3038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8749, 0.2228, 0.1674**, and **4.7700, 0.1527, 0.0697** is the 20% darker color. If you saturate the color by 10%, you get **9.8122, 0.1594, 0.0784**, and if you desaturate by 10%, it is **17.9757, 0.1879, 0.1273**.

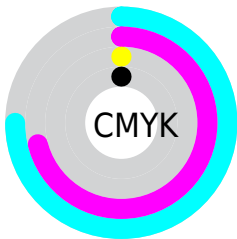
Distribution



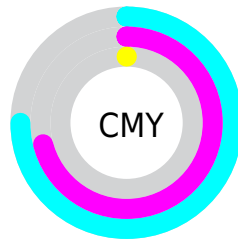
- Red (25%)
- Green (29%)
- Blue (100%)



- Red (25%)
- Yellow (29%)
- Blue (100%)



- Cyan (75%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0751, 0.1714, 0.0994 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 13.0751, 0.1714, 0.0994 by changing the saturation by 10% instead.


 13.0751, 0.1714,
0.0994


 13.0751, 0.1714,
0.0994


211.3984, 0.2486,
0.2038


 7.4803, 0.1527,
0.0794


 31.4386, 0.1996,
0.1332


 3.7642, 0.1300,
0.0578


 44.9761, 0.2102,
0.1472

 1.5426, 0.1027,
0.0356

 61.9300, 0.2193,
0.1595

 0.3184, 0.0714,
0.0116

 82.6846, 0.2269,
0.1705

 0.0000, 0.0368,
0.0000

 107.6244, 0.2335,
0.1802

 0.0000, 0.0000,
0.0000

137.1337, 0.2392,

0.1889

171.5969, 0.2442,
0.1967

■ 13.0751, 0.1714,
0.0994

■ 13.0751, 0.1714,
0.0994

■ 9.8122, 0.1594,
0.0784

■ 17.9757, 0.1879,
0.1273

■ 7.9737, 0.1524,
0.0655

■ 24.6904, 0.2075,
0.1599

■ 7.4792, 0.1506,
0.0620

■ 33.3735, 0.2286,
0.1945

■ 44.1628, 0.2498,
0.2289

■ 57.1836, 0.2701,
0.2614

■ 72.5514, 0.2887,
0.2910

■ 90.3739, 0.3053,
0.3174

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



13.0751, 0.0874, 0.0886



13.0751, 0.1714, 0.0994



13.0751, 0.3440, 0.1414

Triad

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



13.0751, 0.1714, 0.0994



13.0751, 0.6204, 0.3796



13.0751, 0.0788, 0.4199

Complementary

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



13.0751, 0.1714, 0.0994



87.5653, 0.4162, 0.4851

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.



13.0751, 0.1739, 0.7246



13.0751, 0.1714, 0.0994



13.0751, 0.4779, 0.5221

Square

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



13.0751, 0.1714, 0.0994



13.0751, 0.6828, 0.2884



13.0751, 0.3111, 0.6889



13.0751, 0.0480, 0.1886

Rectangle

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



13.0751, 0.1714, 0.0994



13.0751, 0.5024, 0.1872



13.0751, 0.3111, 0.6889



13.0751, 0.1032, 0.5379

Sweetspot

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



13.0753, 0.1714, 0.0994



61.3660, 0.2756, 0.2702



79.2132, 0.2338, 0.3403



12.2911, 0.2704, 0.2619



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.



13.0753, 0.1714, 0.0994



8.7088, 0.1552, 0.0708



17.3749, 0.2222, 0.1190



17.5139, 0.2978, 0.3056



3.9667, 0.1508, 0.0628



0.4320, 0.1526, 0.0694

Inverse Universe

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



25.4106, 0.5636, 0.3235



22.1056, 0.6186, 0.3262



80.3155, 0.3515, 0.5321



18.0008, 0.3287, 0.3279



11.1284, 0.6354, 0.3274



1.0882, 0.6243, 0.3213

Previews

White Background



This preview shows how the Yxy color 13.0751, 0.1714, 0.0994 looks on a white background.

Color Contrast Check

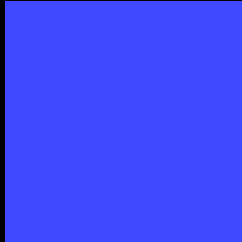
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0751, 0.1714, 0.0994 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 13.0751, 0.1714, 0.0994

Background



This preview shows how black text looks on a background with the Yxy color 13.0751, 0.1714, 0.0994.



This preview shows how white text looks on a background with the Yxy color 13.0751, 0.1714, 0.0994.

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

13.0751, 0.1714, 0.0994

Protanopia

12.9090, 0.1746, 0.1485

Deuteranopia

12.7565, 0.1862, 0.1901



Tritanopia

12.6769, 0.2198, 0.3111

Trichromacy



Original Color

13.0751, 0.1714, 0.0994

Protanomaly

12.4893, 0.1700, 0.1237

Deuteranomaly

12.1482, 0.1757, 0.1426

Tritanomaly

11.5587, 0.1889, 0.1867

Monochromacy



Original Color

13.0751, 0.1714, 0.0994

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3243, 0.2288, 0.1944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0751, 0.1714, 0.0994 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(64, 73, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 73, 255)  
}
```

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(64, 73, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 73, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.0751, 0.1714, 0.0994 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(64, 73, 255) }
```

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

```
.border{ border-color:rgb(64, 73, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 73, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 73, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 73, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 73,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0751, 0.1714, 0.0994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 73, 255) }
```

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

```
.background{ background-color: rgb(64, 73,  
255) }
```

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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