

Converting Colors

$Y_{xy}(12.9251, 0.1732, 0.0982)$

Have a look what the booklet for
Yxy(12.9251, 0.1732, 0.0982)
contains.

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Color

Yxy(12.9024, 0.1730, 0.0981)

Conversions

Conversions Part 1

Format	Color
Hex	4646FF
RGB	70, 70, 255
RGB Percent	27%, 27%, 100%
CMY	0.7260, 0.7253, 0.0001
CMYK	0.73, 0.73, 0.00, 0.00
HSL	240°, 100%, 64%
HSV	240°, 73%, 100%
XYZ	22.7535, 12.9024, 95.8671
YIQ	91.0900, -59.3850, 57.5350

Conversions

Conversions Part 2

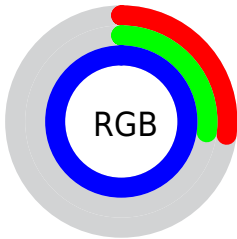
Format	Color
R _Y B	70, 70, 255
Decimal	4605695
CIE Lab	42.62, 57.81, -90.63
CIE LCh	43, 107.494, 302.531
Yxy	12.9024, 0.1730, 0.0981
Android (android.graphics.Color)	4282795775 (0xFF4646FF)
YUV	91.0900, 80.8076, -18.4959
Hunter-Lab	35.9199, 50.2110, -133.0958

Details

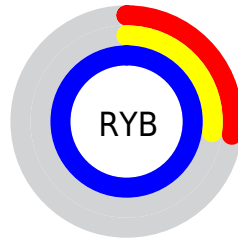
The Yxy color **12.9024, 0.1730, 0.0981** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **93.0695, 0.4091, 0.4880**, and the grayscale version is **10.3050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4926, 0.2250, 0.1652**, and **4.6050, 0.1521, 0.0676** is the 20% darker color. If you saturate the color by 10%, you get **9.6070, 0.1602, 0.0769**, and if you desaturate by 10%, it is **17.9503, 0.1904, 0.1268**.

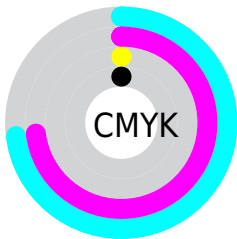
Distribution



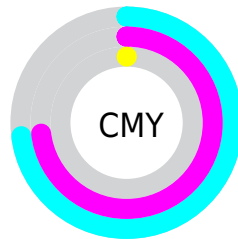
- Red (27%)
- Green (27%)
- Blue (100%)



- Red (27%)
- Yellow (27%)
- Blue (100%)



- Cyan (73%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9024, 0.1730, 0.0981 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 12.9024, 0.1730, 0.0981 by changing the saturation by 10% instead.


 12.9024, 0.1730,
0.0981


 12.9024, 0.1730,
0.0981

210.2912, 0.2497,
0.2027


 7.3614, 0.1543,
0.0782


 31.1283, 0.2010,
0.1319


 3.6891, 0.1316,
0.0566


 44.5820, 0.2117,
0.1459

 1.5012, 0.1043,
0.0346

 61.4421, 0.2206,
0.1583

 0.2896, 0.0729,
0.0106

 82.0928, 0.2282,
0.1693

 0.0000, 0.0382,
0.0000

 106.9187, 0.2348,
0.1791

 0.0000, 0.0000,
0.0000

136.3042, 0.2404,

0.1878

170.6335, 0.2454,
0.1957

■ 12.9024, 0.1730,
0.0981

■ 12.9024, 0.1730,
0.0981

■ 9.6070, 0.1602,
0.0769

■ 17.9503, 0.1904,
0.1268

■ 7.8246, 0.1527,
0.0644

■ 24.9474, 0.2108,
0.1606

■ 7.2232, 0.1500,
0.0600

■ 34.0646, 0.2325,
0.1964

■ 45.4543, 0.2540,
0.2320

■ 59.2548, 0.2742,
0.2654

■ 75.5933, 0.2926,
0.2957

■ 94.5881, 0.3088,
0.3226

■ 99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



12.9024, 0.0869, 0.0865



12.9024, 0.1730, 0.0981



12.9024, 0.3504, 0.1410

Triad

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



12.9024, 0.1730, 0.0981



12.9024, 0.6193, 0.3807



12.9024, 0.0743, 0.4115

Complementary

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



12.9024, 0.1730, 0.0981



93.0695, 0.4091, 0.4880

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.



12.9024, 0.1670, 0.7282



12.9024, 0.1730, 0.0981



12.9024, 0.4731, 0.5269

Square

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



12.9024, 0.1730, 0.0981



12.9024, 0.6872, 0.2882



12.9024, 0.3036, 0.6964



12.9024, 0.0457, 0.1825

Rectangle

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



12.9024, 0.1730, 0.0981



12.9024, 0.5118, 0.1873



12.9024, 0.3036, 0.6964



12.9024, 0.0977, 0.5318

Sweetspot

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



12.9026, 0.1730, 0.0981



60.1756, 0.2754, 0.2673



79.8141, 0.2325, 0.3324



12.0174, 0.2701, 0.2586



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.



12.9026, 0.1730, 0.0981



8.6545, 0.1562, 0.0703



18.9866, 0.2306, 0.1266



17.3808, 0.2978, 0.3044



3.7768, 0.1500, 0.0601



0.3687, 0.1501, 0.0602

Inverse Universe

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



26.0600, 0.5630, 0.3296



22.4680, 0.6175, 0.3298



79.9900, 0.3477, 0.5301



17.9874, 0.3294, 0.3290



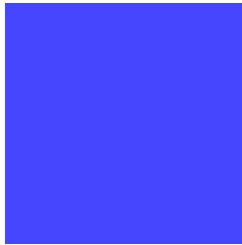
11.1092, 0.6400, 0.3299



1.0818, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 12.9024, 0.1730, 0.0981 looks on a white background.

Color Contrast Check

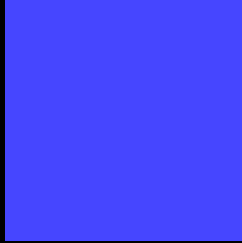
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9024, 0.1730, 0.0981 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 12.9024, 0.1730, 0.0981

Background



This preview shows how black text looks on a background with the Yxy color 12.9024, 0.1730, 0.0981.



This preview shows how white text looks on a background with the Yxy color 12.9024, 0.1730, 0.0981.

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

12.9024, 0.1730, 0.0981

Protanopia

12.6300, 0.1746, 0.1486

Deuteranopia

12.5199, 0.1859, 0.1894



Tritanopia

12.6769, 0.2198, 0.3111

Trichromacy



Original Color

12.9024, 0.1730, 0.0981

Protanomaly

12.2435, 0.1703, 0.1237

Deuteranomaly

11.8308, 0.1752, 0.1397

Tritanomaly

11.3996, 0.1889, 0.1848

Monochromacy



Original Color

12.9024, 0.1730, 0.0981

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.2599, 0.2305, 0.1931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9024, 0.1730, 0.0981 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(70, 70, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 70, 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(70, 70, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 70, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.9024, 0.1730, 0.0981 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(70, 70, 255) }
```

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

```
.border{ border-color:rgb(70, 70, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 70, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 70, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 70, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 70,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9024, 0.1730, 0.0981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 70, 255) }
```

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

```
.background{ background-color: rgb(70, 70,  
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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