

Converting Colors

$Yxy(13.0646, 0.1740, 0.0995)$

Have a look what the booklet for
Yxy(13.0646, 0.1740, 0.0995)
contains.

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Color

Yxy(13.0400, 0.1742, 0.0996)

Conversions

Conversions Part 1

Format	Color
Hex	4847FE
RGB	72, 71, 254
RGB Percent	28%, 28%, 100%
CMY	0.7181, 0.7214, 0.0039
CMYK	0.72, 0.72, 0.00, 0.00
HSL	240°, 99%, 64%
HSV	240°, 72%, 100%
XYZ	22.8069, 13.0400, 95.0768
YIQ	92.1610, -58.1470, 57.1250

Conversions

Conversions Part 2

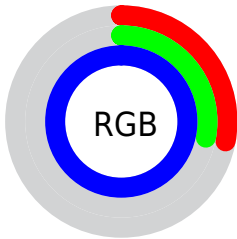
Format	Color
R_{YB}	72, 71, 254
Decimal	4737022
CIE _{Lab}	42.82, 57.15, -89.74
CIE _{LCh}	43, 106.397, 302.492
Yxy	13.0400, 0.1742, 0.0996
Android (android.graphics.Color)	4282927102 (0xFF4847FE)
YUV	92.1610, 79.7866, -17.6812
Hunter-Lab	36.1109, 49.5427, -130.8275

Details

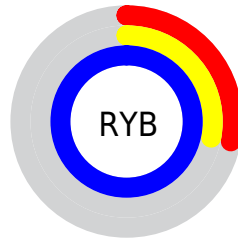
The Yxy color **13.0400, 0.1742, 0.0996** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **92.2496, 0.4080, 0.4878**, and the grayscale version is **10.5616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8240, 0.2259, 0.1665**, and **4.5983, 0.1523, 0.0682** is the 20% darker color. If you saturate the color by 10%, you get **9.6763, 0.1610, 0.0779**, and if you desaturate by 10%, it is **18.1522, 0.1918, 0.1287**.

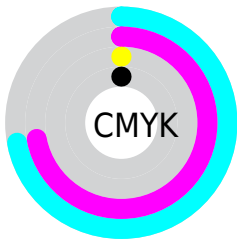
Distribution



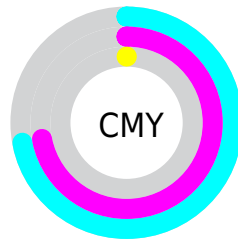
- Red (28%)
- Green (28%)
- Blue (100%)



- Red (28%)
- Yellow (28%)
- Blue (100%)



- Cyan (72%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0400, 0.1742, 0.0996 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 13.0400, 0.1742, 0.0996 by changing the saturation by 10% instead.


 13.0400, 0.1742,
0.0996


 13.0400, 0.1742,
0.0996


211.1739, 0.2503,
0.2039


 7.4561, 0.1556,
0.0796

 31.3756, 0.2021,
0.1333


 3.7489, 0.1330,
0.0579


 44.8961, 0.2126,
0.1473

 1.5341, 0.1056,
0.0357

 61.8310, 0.2215,
0.1597

 0.3126, 0.0740,
0.0115

 82.5645, 0.2290,
0.1707

 0.0000, 0.0391,
0.0000

 107.4812, 0.2355,
0.1804

 0.0000, 0.0000,
0.0000

136.9654, 0.2411,

0.1891

171.4015, 0.2460,
0.1969

■ 13.0400, 0.1742,
0.0996

■ 13.0400, 0.1742,
0.0996

■ 9.6763, 0.1610,
0.0779

■ 18.1522, 0.1918,
0.1287

■ 7.8272, 0.1531,
0.0649

■ 25.2056, 0.2124,
0.1626

■ 7.1629, 0.1501,
0.0601

■ 34.3683, 0.2340,
0.1985

■ 45.7904, 0.2554,
0.2339

■ 59.6078, 0.2755,
0.2672

■ 75.9461, 0.2937,
0.2973

■ 94.9219, 0.3097,
0.3240

■ 99.9355, 0.3133,
0.3300

Harmonies

Analogous

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



13.0400, 0.0884, 0.0880



13.0400, 0.1742, 0.0996



13.0400, 0.3499, 0.1425

Triad

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



13.0400, 0.1742, 0.0996



13.0400, 0.6179, 0.3821



13.0400, 0.0766, 0.4114

Complementary

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



13.0400, 0.1742, 0.0996



92.2496, 0.4080, 0.4878

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.



13.0400, 0.1699, 0.7224



13.0400, 0.1742, 0.0996



13.0400, 0.4735, 0.5265

Square

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



13.0400, 0.1742, 0.0996



13.0400, 0.6839, 0.2899



13.0400, 0.3064, 0.6936



13.0400, 0.0473, 0.1846

Rectangle

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



13.0400, 0.1742, 0.0996



13.0400, 0.5092, 0.1887



13.0400, 0.3064, 0.6936



13.0400, 0.1002, 0.5294

Sweetspot

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



13.0402, 0.1742, 0.0996



60.1842, 0.2755, 0.2673



79.3775, 0.2317, 0.3288



12.0194, 0.2703, 0.2585



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.



13.0402, 0.1742, 0.0996



8.8514, 0.1572, 0.0716



19.4032, 0.2340, 0.1292



17.3817, 0.2979, 0.3044



3.7782, 0.1501, 0.0601



0.3692, 0.1505, 0.0603

Inverse Universe

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



32.6841, 0.3209, 0.1723



29.6596, 0.3217, 0.1597



79.0722, 0.3458, 0.5301



18.2989, 0.3139, 0.3057



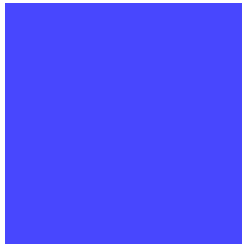
14.8431, 0.3221, 0.1548



1.4457, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 13.0400, 0.1742, 0.0996 looks on a white background.

Color Contrast Check

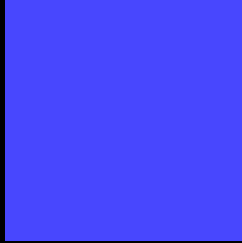
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0400, 0.1742, 0.0996 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 13.0400, 0.1742, 0.0996

Background



This preview shows how black text looks on a background with the Yxy color 13.0400, 0.1742, 0.0996.



This preview shows how white text looks on a background with the Yxy color 13.0400, 0.1742, 0.0996.

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

13.0400, 0.1742, 0.0996

Protanopia

12.8612, 0.1748, 0.1494

Deuteranopia

12.7565, 0.1862, 0.1901



Tritanopia

12.6769, 0.2198, 0.3111

Trichromacy



Original Color

13.0400, 0.1742, 0.0996

Protanomaly

12.4730, 0.1707, 0.1245

Deuteranomaly

12.0136, 0.1759, 0.1414

Tritanomaly

11.3754, 0.1896, 0.1862

Monochromacy



Original Color

13.0400, 0.1742, 0.0996

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.5063, 0.2330, 0.1958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0400, 0.1742, 0.0996 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(72, 71, 254)` looks like.

```
.text, #text, p{  
    color:rgb(72, 71, 254)  
}
```

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(72, 71, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 71, 254) }
```

Border

The CSS property to change the border of an element to Yxy 13.0400, 0.1742, 0.0996 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(72, 71, 254) }
```

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

```
.border{ border-color:rgb(72, 71, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 71, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 71, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 71, 254);  
box-shadow:4px 4px 4px 4px rgb(72, 71,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0400, 0.1742, 0.0996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 71, 254) }
```

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

```
.background{ background-color: rgb(72, 71,  
254) }
```

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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