

Converting Colors

$Y_{xy}(7.2921, 0.1512, 0.0641)$

Have a look what the booklet for
Yxy(7.2921, 0.1512, 0.0641)
contains.

Yxy(7.2841, 0.1512, 0.0640)	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(7.2841, 0.1512, 0.0640)

Conversions

Conversions Part 1

Format	Color
Hex	0114F8
RGB	1, 20, 248
RGB Percent	0%, 8%, 97%
CMY	0.9956, 0.9218, 0.0274
CMYK	1.00, 0.92, 0.00, 0.03
HSL	235°, 99%, 49%
HSV	235°, 100%, 97%
XYZ	17.2087, 7.2841, 89.3213
YIQ	40.3110, -84.5120, 66.8800

Conversions

Conversions Part 2

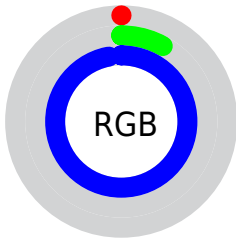
Format	Color
R _Y B	1, 19, 248
Decimal	70904
CIE Lab	32.45, 74.05, -103.70
CIE LCh	32, 127.421, 305.529
Yxy	7.2841, 0.1512, 0.0640
Android (android.graphics.Color)	4278260984 (0xFF0114F8)
YUV	40.3110, 102.3907, -34.4757
Hunter-Lab	26.9891, 66.5837, -177.3300

Details

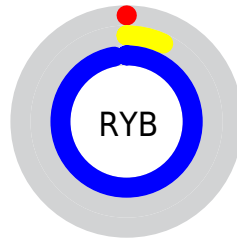
The Yxy color **7.2841, 0.1512, 0.0640** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **76.1041, 0.4335, 0.4939**, and the grayscale version is **2.0643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **16.5907, 0.2009, 0.1174**, and **3.7177, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **7.2415, 0.1510, 0.0637**, and if you desaturate by 10%, it is **8.7143, 0.1565, 0.0748**.

Distribution



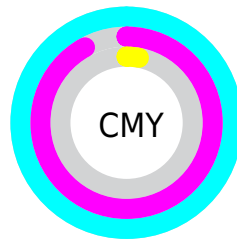
- Red (0%)
- Green (8%)
- Blue (97%)



- Red (0%)
- Yellow (7%)
- Blue (97%)



- Cyan (100%)
- Magenta (92%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (92%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 7.2841, 0.1512, 0.0640 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 7.2841, 0.1512, 0.0640 by changing the saturation by 10% instead.


 7.2841, 0.1512,
0.0640


 7.2841, 0.1512,
0.0640


170.0039, 0.2426,
0.1797


 3.6404, 0.1294,
0.0450


 20.5425, 0.1846,
0.0992


 1.4745, 0.1037,
0.0264

 30.9260, 0.1973,
0.1146


 0.2707, 0.0746,
0.0073

 44.3249, 0.2080,
0.1285

 0.0000, 0.0435,
0.0000

 61.1235, 0.2171,
0.1410


 0.0000, 0.0000,
0.0000


 81.7064, 0.2249,
0.1522


 106.4578, 0.2317,


0.1624


 135.7622, 0.2375,
0.1715


 7.2841, 0.1512,
0.0640


 7.2841, 0.1512,
0.0640


 7.2415, 0.1510,
0.0637

 8.7143, 0.1565,
0.0748

 11.3441, 0.1665,
0.0934

 15.3863, 0.1811,
0.1189

 21.0033, 0.1993,
0.1496

 28.3353, 0.2197,
0.1830

■ 37.5070, 0.2407,
0.2168

■ 48.6312, 0.2611,
0.2493

■ 61.8119, 0.2803,
0.2793

■ 77.1456, 0.2978,
0.3062

Harmonies

Analogous

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



7.2841, 0.0578, 0.0512



7.2841, 0.1512, 0.0640



7.2841, 0.3842, 0.1074

Triad

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



7.2841, 0.1512, 0.0640



7.2841, 0.6514, 0.3486



7.2841, 0.0162, 0.3722

Complementary

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



7.2841, 0.1512, 0.0640



76.1041, 0.4335, 0.4939

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.



7.2841, 0.0721, 0.9006



7.2841, 0.1512, 0.0640



7.2841, 0.4421, 0.5579

Square

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



7.2841, 0.1512, 0.0640



7.2841, 0.7611, 0.2389



7.2841, 0.2035, 0.7965



7.2841, 0.0144, 0.1186

Rectangle

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



7.2841, 0.1512, 0.0640



7.2841, 0.6103, 0.1543



7.2841, 0.2035, 0.7965



7.2841, 0.0240, 0.5594

Sweetspot

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



7.2841, 0.1512, 0.0640



51.1646, 0.2602, 0.2477



72.7244, 0.2320, 0.3552



9.8343, 0.2516, 0.2342



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.



7.2841, 0.1512, 0.0640



7.7011, 0.1510, 0.0636



9.7451, 0.1859, 0.0799



16.8556, 0.2979, 0.3064



3.9859, 0.1513, 0.0648



0.4404, 0.1544, 0.0757

Inverse Universe

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



20.0344, 0.6332, 0.3265



21.3086, 0.6340, 0.3266



73.1817, 0.3477, 0.5619



17.2467, 0.3282, 0.3272



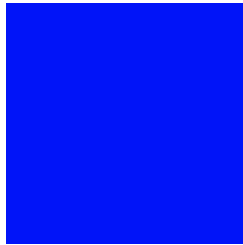
10.8133, 0.6320, 0.3255



1.0087, 0.6139, 0.3156

Previews

White Background



This preview shows how the Yxy color 7.2841, 0.1512, 0.0640 looks on a white background.

Color Contrast Check

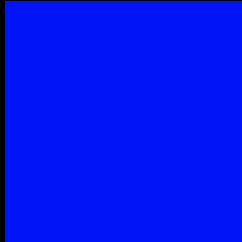
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the Yxy color 7.2841, 0.1512, 0.0640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

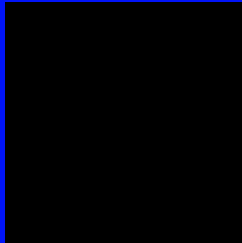
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 7.2841, 0.1512, 0.0640

Background



This preview shows how black text looks on a background with the Yxy color 7.2841, 0.1512, 0.0640.



This preview shows how white text looks on a background with the Yxy color 7.2841, 0.1512, 0.0640.

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

7.2841, 0.1512, 0.0640

Protanopia

7.2307, 0.1760, 0.1537

Deuteranopia

7.2307, 0.1882, 0.1974



Tritanopia

7.2183, 0.2211, 0.3159

Trichromacy



Original Color

7.2841, 0.1512, 0.0640

Protanomaly

6.2692, 0.1602, 0.0966

Deuteranomaly

6.0821, 0.1635, 0.1087

Tritanomaly

5.4441, 0.1705, 0.1339

Monochromacy



Original Color

7.2841, 0.1512, 0.0640

Achromatopsia

2.1219, 0.3127, 0.3290

Achromatomaly

2.5683, 0.1755, 0.1093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 7.2841, 0.1512, 0.0640 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(1, 20, 248)` looks like.

```
.text, #text, p{  
    color:rgb(1, 20, 248)  
}
```

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(1, 20, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 20, 248) }
```

Border

The CSS property to change the border of an element to Yxy 7.2841, 0.1512, 0.0640 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(1, 20, 248) }
```

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

```
.border{ border-color:rgb(1, 20, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 20, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 20, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 20, 248);  
box-shadow:4px 4px 4px 4px rgb(1, 20, 248)  
}
```


Background

The CSS property to change the background color of an element to Yxy 7.2841, 0.1512, 0.0640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 20, 248) }
```

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

```
.background{ background-color: rgb(1, 20,  
248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor