

Converting Colors

$Y_{xy}(7.0683, 0.1658, 0.0687)$

Have a look what the booklet for
Yxy(7.0683, 0.1658, 0.0687)
contains.

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Color

Yxy(7.0881, 0.1657, 0.0686)

Conversions

Conversions Part 1

Format	Color
Hex	4000EB
RGB	64, 0, 235
RGB Percent	25%, 0%, 92%
CMY	0.7487, 1.0000, 0.0782
CMYK	0.73, 1.00, 0.00, 0.08
HSL	256°, 100%, 46%
HSV	256°, 100%, 92%
XYZ	17.1210, 7.0881, 79.1160
YIQ	45.9260, -37.2910, 86.6530

Conversions

Conversions Part 2

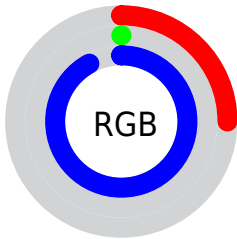
Format	Color
RYB	64, 0, 235
Decimal	4194539
CIELab	32.01, 75.45, -97.03
CIELCh	32, 122.918, 307.869
Yxy	7.0881, 0.1657, 0.0686
Android (android.graphics.Color)	4282384619 (0xFF4000EB)
YUV	45.9260, 93.2135, 15.8509
Hunter-Lab	26.6235, 68.1982, -157.5534

Details

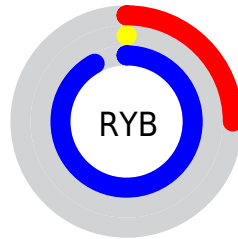
The Yxy color **7.0881, 0.1657, 0.0686** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **68.1141, 0.3712, 0.5435**, and the grayscale version is **2.6328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **17.2580, 0.2136, 0.1195**, and **3.1743, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **7.0948, 0.1657, 0.0687**, and if you desaturate by 10%, it is **8.3925, 0.1760, 0.0789**.

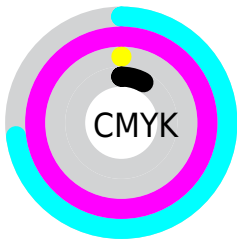
Distribution



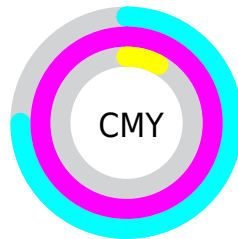
- Red (25%)
- Green (0%)
- Blue (92%)



- Red (25%)
- Yellow (0%)
- Blue (92%)



- Cyan (73%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (75%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 7.0881, 0.1657, 0.0686 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 7.0881, 0.1657, 0.0686 by changing the saturation by 10% instead.


 7.0881, 0.1657,
0.0686


 7.0881, 0.1657,
0.0686


168.3937, 0.2519,
0.1853


 3.5173, 0.1439,
0.0486


 20.1502, 0.1982,
0.1049


 1.4074, 0.1174,
0.0288

 30.4103, 0.2102,
0.1205


 0.2221, 0.0864,
0.0070

 43.6689, 0.2203,
0.1345

 0.0000, 0.0517,
0.0000


 60.3104, 0.2287,
0.1470


 0.0000, 0.0000,
0.0000


 80.7193, 0.2359,
0.1581


 105.2799, 0.2420,


0.1682


 134.3765, 0.2473,
0.1771


 7.0881, 0.1657,
0.0686


 7.0881, 0.1657,
0.0686


 7.0948, 0.1657,
0.0687

 8.3925, 0.1760,
0.0789

 10.6484, 0.1894,
0.0956

 14.1183, 0.2054,
0.1191

 18.9565, 0.2228,
0.1477

 25.2935, 0.2407,
0.1794

■ 33.2443, 0.2580,
0.2123

■ 42.9124, 0.2742,
0.2446

■ 54.3924, 0.2888,
0.2753

■ 67.7721, 0.3016,
0.3035

Harmonies

Analogous

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



7.0881, 0.0645, 0.0537



7.0881, 0.1657, 0.0686



7.0881, 0.4084, 0.1153

Triad

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



7.0881, 0.1657, 0.0686



7.0881, 0.6353, 0.3647



7.0881, 0.0189, 0.3386

Complementary

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



7.0881, 0.1657, 0.0686



68.1141, 0.3712, 0.5435

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.



7.0881, 0.0709, 0.8543



7.0881, 0.1657, 0.0686



7.0881, 0.4243, 0.5757

Square

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



7.0881, 0.1657, 0.0686



7.0881, 0.7508, 0.2492



7.0881, 0.1960, 0.8040



7.0881, 0.0163, 0.1143

Rectangle

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



7.0881, 0.1657, 0.0686



7.0881, 0.6279, 0.1632



7.0881, 0.1960, 0.8040



7.0881, 0.0264, 0.5075

Sweetspot

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



7.0948, 0.1657, 0.0687



51.4506, 0.2740, 0.2442



35.6540, 0.1996, 0.2386



9.9054, 0.2673, 0.2307



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.



7.0948, 0.1657, 0.0687



8.5039, 0.1654, 0.0685



15.7320, 0.2616, 0.1215



14.7476, 0.3022, 0.3049



4.0000, 0.1671, 0.0694



0.3603, 0.1813, 0.0772

Inverse Universe

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



20.6141, 0.4060, 0.2010



24.7835, 0.4064, 0.2012



60.2649, 0.3082, 0.5935



15.2396, 0.3180, 0.3120



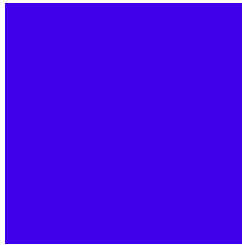
11.4875, 0.4043, 0.2001



0.9180, 0.3901, 0.1923

Previews

White Background



This preview shows how the Yxy color 7.0881, 0.1657, 0.0686 looks on a white background.

Color Contrast Check

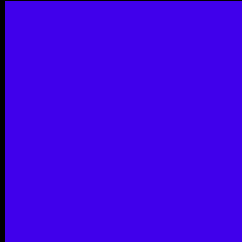
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.0881, 0.1657, 0.0686 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 7.0881, 0.1657, 0.0686

Background



This preview shows how black text looks on a background with the Yxy color 7.0881, 0.1657, 0.0686.



This preview shows how white text looks on a background with the Yxy color 7.0881, 0.1657, 0.0686.

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

7.0881, 0.1657, 0.0686

Protanopia

7.2641, 0.1757, 0.1526

Deuteranopia

7.2579, 0.1877, 0.1957



Tritanopia

7.2352, 0.2202, 0.3128

Trichromacy



Original Color

7.0881, 0.1657, 0.0686

Protanomaly

5.6759, 0.1627, 0.0921

Deuteranomaly

5.3279, 0.1662, 0.1023

Tritanomaly

4.8037, 0.1745, 0.1264

Monochromacy



Original Color

7.0881, 0.1657, 0.0686

Achromatopsia

2.7321, 0.3127, 0.3290

Achromatomaly

2.8734, 0.2051, 0.1178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 7.0881, 0.1657, 0.0686 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, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(64, 0, 235)  
}
```

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, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 0, 235) }
```

Border

The CSS property to change the border of an element to Yxy 7.0881, 0.1657, 0.0686 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, 0, 235) }
```

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

```
.border{ border-color:rgb(64, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(64, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(64, 0, 235)  
}
```


Background

The CSS property to change the background color of an element to Yxy 7.0881, 0.1657, 0.0686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 0, 235) }
```

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

```
.background{ background-color: rgb(64, 0,  
235) }
```

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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