Converting Colors

CMY(1.0000, 0.4167, 0.0000)

Have a look what the booklet for CMY(1.0000, 0.4167, 0.0000) contains.

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Color

CMY(1.0000, 0.4157, 0.0000)

Conversions

Conversions Part 1

Format	Color
Hex	0095FF
RGB	0, 149, 255
RGB Percent	0%, 58%, 100%
CMY	1.0000, 0.4157, 0.0000
CMYK	1.00, 0.42, 0.00, 0.00
HSL	205°, 100%, 50%
HSV	205°, 100%, 100%
XYZ	28.7969, 28.7138, 98.6323
YIQ	116.5330, -122.8300, 1.3780

Conversions

Conversions Part 2

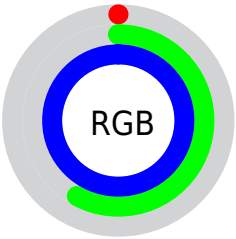
Format	Color
RYB	0, 94, 255
Decimal	38399
CIELab	60.53, 5.96, -61.57
CIELCh	61, 61.858, 275.526
Yxy	28.7138, 0.1844, 0.1839
Android (android.graphics.Color)	4278228479 (0xFF0095FF)
YUV	116.5330, 68.2642, -102.1994
Hunter-Lab	53.5852, 2.1523, -71.6231

Details

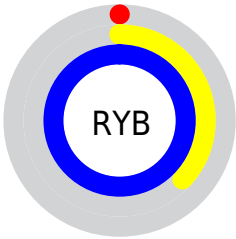
The CMY color 1.0000, 0.4157, 0.0000 is a dark color, and the websafe version is hex 0099FF. The color can be described as middle saturated azure. A complement of this color would be 0.0000, 0.5843, 1.0000, and the grayscale version is 0.5453, 0.5453, 0.5453.

A 20% lighter version of the original color is 0.5608, 0.2039, 0.0000, and 1.0000, 0.6118, 0.2235 is the 20% darker color. If you saturate the color by 10%, you get 1.0000, 0.4157, 0.0000, and if you desaturate by 10%, it is 0.9000, 0.3741, 0.0000.

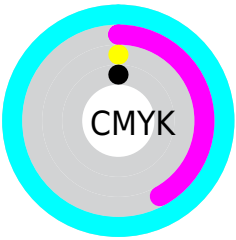
Distribution



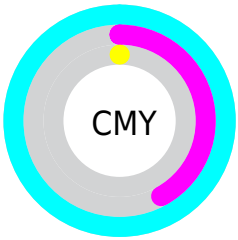
- Red (0%)
- Green (58%)
- Blue (100%)



- Red (0%)
- Yellow (37%)
- Blue (100%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CMY color 1.0000, 0.4157, 0.0000 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 CMY color 1.0000, 0.4157, 0.0000 by changing the saturation by 10% instead.

1.0000, 0.4157, 0.0000

0.0000, 0.0000, 0.0000

0.5607, 0.2058, 0.0000

0.4269, 0.0963, 0.0000

0.2991, 0.0000, 0.0000

0.1737, 0.0000, 0.0000

0.0489, 0.0000, 0.0000

1.0000, 0.4157, 0.0000

1.0000, 0.5154, 0.1139

1.0000, 0.6111, 0.2254

1.0000, 0.7020, 0.3343

1.0000, 0.7869, 0.4404

1.0000, 0.8638, 0.5434

1.0000, 0.9577, 0.6423

1.0000, 0.9718,

0.7386

1.0000, 0.9875, 0.8293

1.0000, 0.9960, 0.9143

1.0000, 0.4157, 0.0000

0.9000, 0.3741, 0.0000

0.8000, 0.3326, 0.0000

0.7000, 0.2910, 0.0000

0.6000, 0.2494, 0.0000

0.5000, 0.2079, 0.0000

0.4000, 0.1663, 0.0000

0.3000, 0.1247, 0.0000

0.2000, 0.0831, 0.0000

0.1000, 0.0416, 0.0000

Harmonies

Analogous

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

1.0000, 0.3588, 0.0393

1.0000, 0.4157, 0.0000

0.3708, 0.5020, 0.0771

Triad

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

0.9997, 0.4157, 0.0000

0.0677, 0.5918, 0.6646

1.0000, 0.3389, 0.6144

Complementary

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

1.0000, 0.4157, 0.0000

0.0000, 0.5843, 1.0000

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.

0.5799, 0.3701, 0.8091

1.0000, 0.4157, 0.0000

0.1812, 0.5043, 0.8370

Square

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

0.9997, 0.4157, 0.0000

0.0450, 0.6376, 0.4585

0.3560, 0.4249, 0.9302

1.0000, 0.3265, 0.3929

Rectangle

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

1.0000, 0.4157, 0.0000

0.1999, 0.5661, 0.1822

0.3560, 0.4249, 0.9302

0.8063, 0.3470, 0.6836

Sweetspot

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

1.0000, 0.4157, 0.0000

0.3000, 0.1247, 0.0000

1.0000, 0.0000, 0.6000

0.6800, 0.5748, 0.5000

1.0000, 1.0000, 1.0000

0.5000, 0.5000, 0.5000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

1.0000, 0.4157, 0.0000

1.0000, 0.9000, 0.0000

0.5500, 0.5208, 0.5000

1.0000, 0.5618, 0.2500

1.0000, 0.8539, 0.7500

Inverse Universe

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

0.0000, 1.0000, 0.4157

0.0000, 0.1000, 1.0000

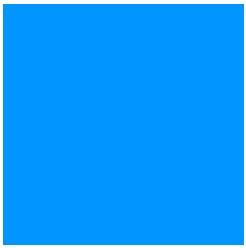
0.5000, 0.5500, 0.5208

0.2500, 1.0000, 0.5618

0.7500, 1.0000, 0.8539

Previews

White Background

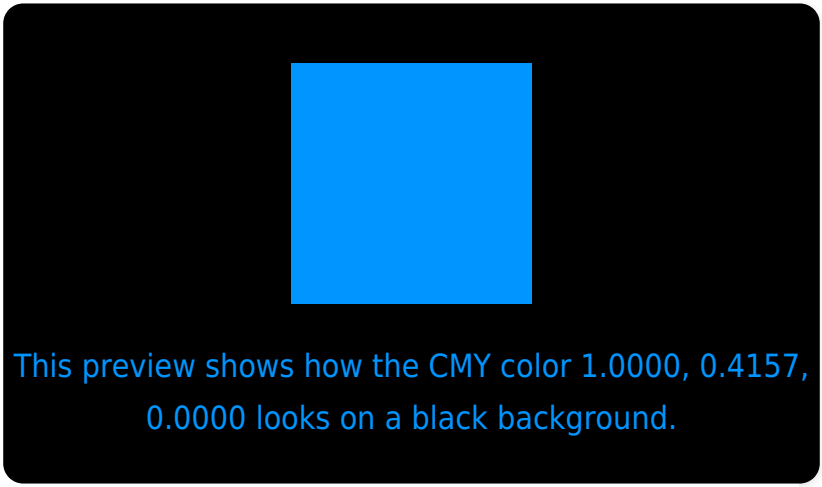


This preview shows how the CMY color 1.0000, 0.4157, 0.0000 looks on a white background.

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

Black 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

If you want to check with other color combinations, try the Color Contrast Checker.

CMY 1.0000, 0.4157, 0.0000

Background

This preview shows how black text looks on a background with the CMY color 1.0000, 0.4157, 0.0000.

This preview shows how white text looks on a background with the CMY color 1.0000, 0.4157, 0.0000.

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
1.0000, 0.4157, 0.0000

Protanopia
0.6118, 0.4471, 0.0275

Deuteranopia
0.8039, 0.4235, 0.0000

Tritanopia
1.0000, 0.3686, 0.3255

Trichromacy

Original Color
1.0000, 0.4157, 0.0000

Protanomaly
0.7529, 0.4353, 0.0157

Deuteranomaly
0.8745, 0.4196, 0.0000

Tritanomaly
1.0000, 0.3843, 0.2078

Monochromacy

Original Color
1.0000, 0.4157, 0.0000

Achromatopsia
0.5412, 0.5412, 0.5412

Achromatomaly
0.7098, 0.4941, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to CMY 1.0000, 0.4157, 0.0000 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(0, 149, 255) looks like.

```
.text, #text, p{
    color:rgb(0, 149, 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(0, 149, 255) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(0, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 255) }
```

Border

The CSS property to change the border of an element to CMY 1.0000, 0.4157, 0.0000 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(0, 149, 255) }
```

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

```
.border{ border-color:rgb(0, 149, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 149, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 149, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 149, 255); box-shadow:4px 4px 4px 4px rgb(0, 149, 255) }
```

Background

The CSS property to change the background color of an element to CMY 1.0000, 0.4157, 0.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(0, 149, 255) }
```

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

```
.background{ background-color:rgb(0, 149, 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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