

Converting Colors

Hex(2A0000)

Have a look what the booklet for
Hex(2A0000) contains.

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Color

Hex(2A0000)

Conversions

Conversions Part 1

Format	Color
Hex	2A0000
RGB	42, 0, 0
RGB Percent	16%, 0%, 0%
CMY	0.8353, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.84
HSL	0°, 100%, 8%
HSV	0°, 100%, 16%
XYZ	0.9548, 0.4922, 0.0447
YIQ	12.5580, 25.0320, 8.9040

Conversions

Conversions Part 2

Format	Color
RYB	42, 0, 0
Decimal	2752512
CIELab	4.45, 19.76, 7.03
CIELCh	4, 20.968, 19.580
Yxy	0.4922, 0.6401, 0.3300
Android (android.graphics.Color)	4280942592 (0xFF2A0000)
YUV	12.5580, -6.1911, 25.8206
Hunter-Lab	7.0160, 12.0151, 4.5336

Details

The Hex color **2A0000** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **002A2A**, and the grayscale version is **0D0D0D**.

A 20% lighter version of the original color is **582E30**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2A0000**, and if you desaturate by 10%, it is **2A0404**.

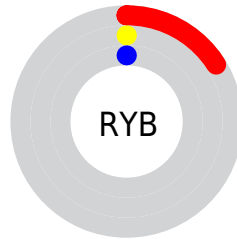
Distribution



Red (16%)

Green (0%)

Blue (0%)



Red (16%)

Yellow (0%)

Blue (0%)

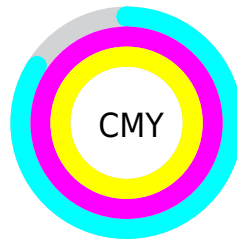


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (84%)



Cyan (84%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A0000 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 Hex color 2A0000 by changing the saturation by 10% instead.

 2A0000

 2A0000

 FFE1E2

 000000

 582E30

 724547

 8C5D5E

 A77577

 C38F91

 DFAAAB

 FCC5C6

 2A0000

■ 2A0404

■ 2A0808

■ 2A0D0D

■ 2A1111

■ 2A1515

■ 2A1919

■ 2A1D1D

■ 2A2222

■ 2A2626

Harmonies

Analogous

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



270016



2A0000



250500

Triad

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



2A0000



001700



00132B

Complementary

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



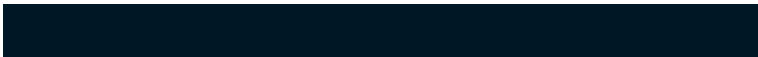
2A0000



002A2A

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.



001725



2A0000



001806

Square

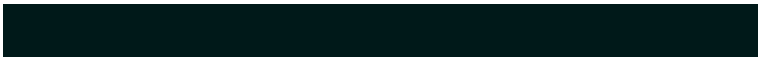
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



2A0000



071300



001919



060D2A

Rectangle

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



2A0000



1F0A00



001919



00152A

Sweetspot

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



2A0000



362525



2A002A



1C1212



9C9C9C



1C1C1C

Same Dimension

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



2A0000



360000



2A1500



141212



540000



D40000

Inverse Universe

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



002A2A



003636



00152A



121414



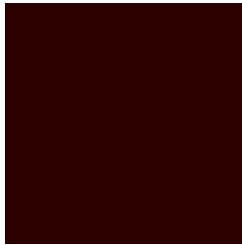
005454



00D4D4

Previews

White Background



This preview shows how the Hex color 2A0000 looks on a white background.

Color Contrast Check

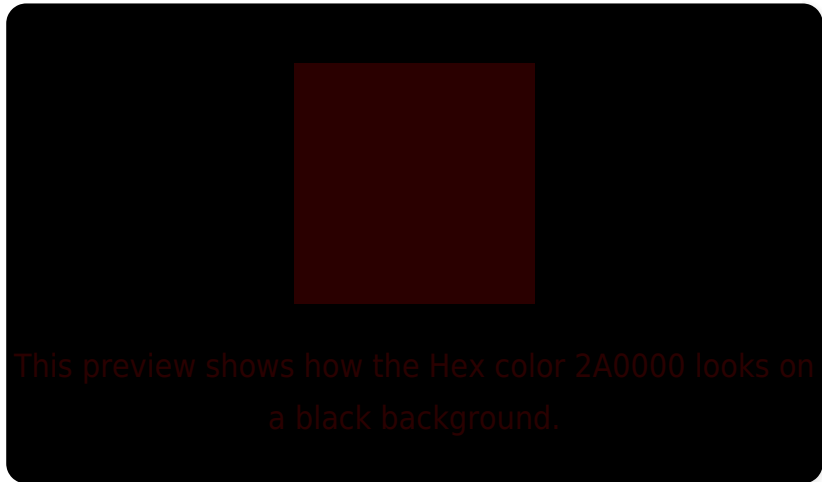
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

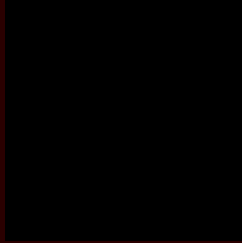
Any Text WCAG AA × Fail

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](#).

Hex 2A0000 Background



This preview shows how black text looks on a background with the Hex color 2A0000.

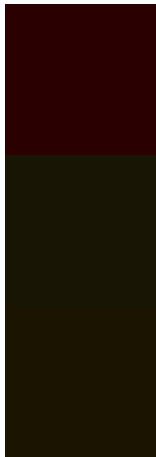


This preview shows how white text looks on a background with the Hex color 2A0000.

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](#).

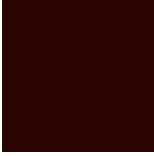
Dichromacy



Original Color
2A0000

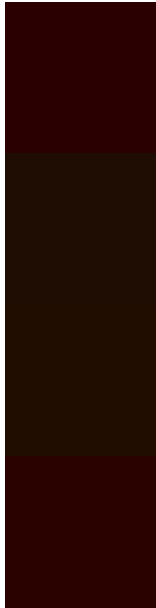
Protanopia
181505

Deuteranopia
1B1400



Tritanopia
2A0400

Trichromacy



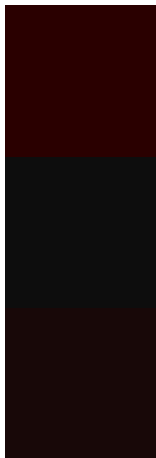
Original Color
2A0000

Protanomaly
1F0D03

Deuteranomaly
200D00

Tritanomaly
2A0300

Monochromacy



Original Color
2A0000

Achromatopsia
0D0D0D

Achromatomaly
180808

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A0000 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 #2A0000 looks like.

```
.text, #text, p{  
    color:#2A0000  
}
```

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 #2A0000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A0000
}
```

Border

The CSS property to change the border of an element to Hex 2A0000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

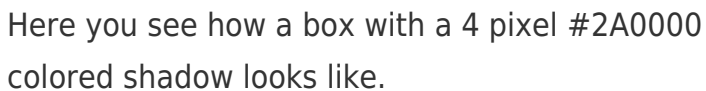
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A0000 }
```

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

```
.border{ border-color:#2A0000 }
```

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



Here you see how a box with a 4 pixel #2A0000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A0000; -webkit-box-shadow:4px 4px  
4px 4px #2A0000; box-shadow:4px 4px 4px  
4px #2A0000 }
```

Background

The CSS property to change the background color of an element to Hex 2A0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A0000 }
```

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

```
.background{ background-color:#2A0000 }
```

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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