

Converting Colors

Hex(00B224)

Have a look what the booklet for
Hex(00B224) contains.

Hex(00B224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00B224)

Conversions

Conversions Part 1

Format	Color
Hex	00B224
RGB	0, 178, 36
RGB Percent	0%, 70%, 14%
CMY	1.0000, 0.3020, 0.8588
CMYK	1.00, 0.00, 0.80, 0.30
HSL	132°, 100%, 35%
HSV	132°, 100%, 70%
XYZ	16.2388, 31.9682, 6.9837
YIQ	108.5900, -60.5060, -81.8980

Conversions

Conversions Part 2

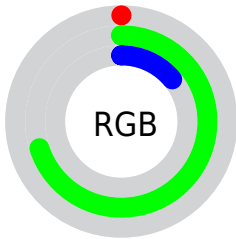
Format	Color
RYB	0, 148, 178
Decimal	45604
CIELab	63.32, -64.44, 56.69
CIELCh	63, 85.828, 138.657
Yxy	31.9682, 0.2942, 0.5792
Android (android.graphics.Color)	4278235684 (0xFF00B224)
YUV	108.5900, -35.7869, -95.2334
Hunter-Lab	56.5404, -47.6791, 32.2550

Details

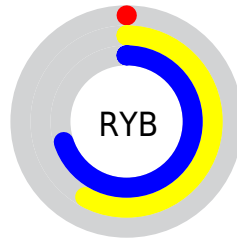
The Hex color **00B224** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **B2008E**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **60EB5D**, and **007C00** is the 20% darker color. If you saturate the color by 10%, you get **00B224**, and if you desaturate by 10%, it is **12B232**.

Distribution



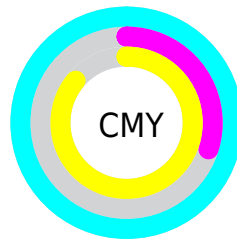
- Red (0%)
- Green (70%)
- Blue (14%)



- Red (0%)
- Yellow (58%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00B224 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 00B224 by changing the saturation by 10% instead.

 00B224

 00B224

FFFFFF

 009600

 60EB5D

 007C00

 80FF78

 006100

 9FFF93

 004800

 BDFFAF

 003100

 DCF FCC

 001400

 FAF FE9

 000000

 00B224

 12B232

 24B240

 35B24F

 47B25D

 59B26B

 6BB279

 7DB287

 8EB296

 A0B2A4

Harmonies

Analogous

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



8CA400



00B224



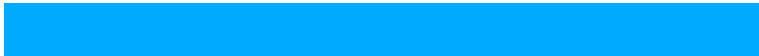
00B979

Triad

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



00B224



00ABFF



FF3E6E

Complementary

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



00B224



B2008E

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.



FF3FBA



00B224



3D92FF

Square

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



00B224



00B7FF



D66BFF



FF6722

Rectangle

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



00B224



00BAAE



D66BFF



FF3787

Sweetspot

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



00B224



A2E8B1



8EB200



4B7554



F5F5F5



757575

Same Dimension

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



00B224



00E82F



00B27D



505952



00991F



001A05

Inverse Universe

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



B2008E



E800B9



B20035



595057



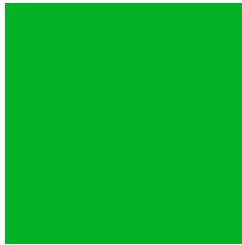
99007A



1A0014

Previews

White Background



This preview shows how the Hex color 00B224 looks on a white 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

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 ✓ Pass

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

Hex 00B224 Background



This preview shows how black text looks on a background with the Hex color 00B224.

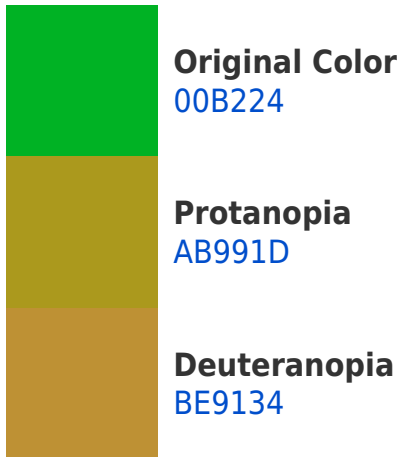


This preview shows how white text looks on a background with the Hex color 00B224.

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





Tritanopia
4AA6B3

Trichromacy



Original Color

00B224



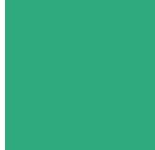
Protanomaly

6DA220



Deuteranomaly

799D2E



Tritanomaly

2FAA7F

Monochromacy



Original Color

00B224



Achromatopsia

6D6D6D



Achromatomaly

458652

CSS Examples

Text

The CSS property to change the color of the text to Hex 00B224 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 #00B224 looks like.

```
.text, #text, p{  
    color:#00B224  
}
```

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 #00B224 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B224
}
```

Border

The CSS property to change the border of an element to Hex 00B224 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
#00B224 }
```

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

```
.border{ border-color:#00B224 }
```

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

Here you see how a box with a 4 pixel #00B224 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B224; -webkit-box-shadow:4px 4px  
4px 4px #00B224; box-shadow:4px 4px 4px  
4px #00B224 }
```

Background

The CSS property to change the background color of an element to Hex 00B224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B224 }
```

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

```
.background{ background-color:#00B224 }
```

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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