

# Converting Colors

Hex(B66300)

Have a look what the booklet for  
Hex(B66300) contains.

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**Color**

**Hex(B66300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B66300
RGB	182, 99, 0
RGB Percent	71%, 39%, 0%
CMY	0.2863, 0.6118, 1.0000
CMYK	0.00, 0.46, 1.00, 0.29
HSL	33°, 100%, 36%
HSV	33°, 100%, 71%
XYZ	23.7532, 18.8688, 2.3901
YIQ	112.5310, 81.2470, -13.1930

# Conversions

## Conversions Part 2

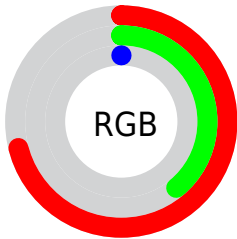
Format	Color
<b>RYB</b>	153, 182, 0
Decimal	11952896
CIELab	50.53, 28.16, 58.71
CIELCh	51, 65.118, 64.376
Yxy	18.8688, 0.5277, 0.4192
Android (android.graphics.Color)	4290142976 (0xFFB66300)
YUV	112.5310, -55.4778, 60.9243
Hunter-Lab	43.4382, 21.5921, 27.1444

# Details

The Hex color **B66300** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **0053B6**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **F4973F**, and **7A3300** is the 20% darker color. If you saturate the color by 10%, you get **B66300**, and if you desaturate by 10%, it is **B66B12**.

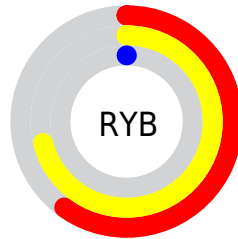
# Distribution



Red (71%)

Green (39%)

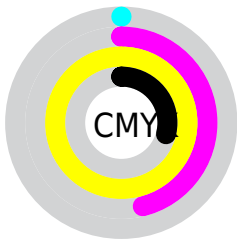
Blue (0%)



Red (60%)

Yellow (71%)

Blue (0%)

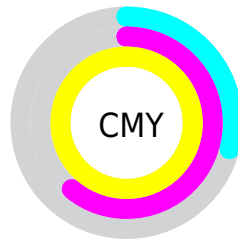


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (61%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B66300 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 B66300 by changing the saturation by 10% instead.



 B66300

 B66300

FFFFFF

 984B00

 F4973F

 7A3300

 FFB159

 5D1C00

 FFCD73

 410400

 FFE98E

 2A0001

 FFFFA9

 000000

 FFFFC5

 FFFF E2

 B66300

 B66B12

 B67424

 B67C37

 B68449

 B68C5B

 B6956D

 B69D7F

 B6A592

 B6AEA4

# Harmonies

## Analogous

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



D3483D



B66300



8A7900

# Triad

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



B66300



00917F



8165D5

# Complementary

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



B66300



0053B6

# 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.



007DE8



B66300



0090B6

# Square

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



B66300



008E45



008ADC



C049A9

# Rectangle

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



B66300



658300



008ADC



5E6EDE



# Sweetspot

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



B66300



EDCDA6



B60055



78644D



F7F7F7



787878



# Same Dimension

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



B66300



ED8100



B0B600



5C5853



9C5500



1C0F00



# Inverse Universe

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



0053B6



006CED



0600B6



53575C



00479C



000D1C



# Previews

## White Background



This preview shows how the Hex color B66300 looks on a white background.

## Color Contrast Check

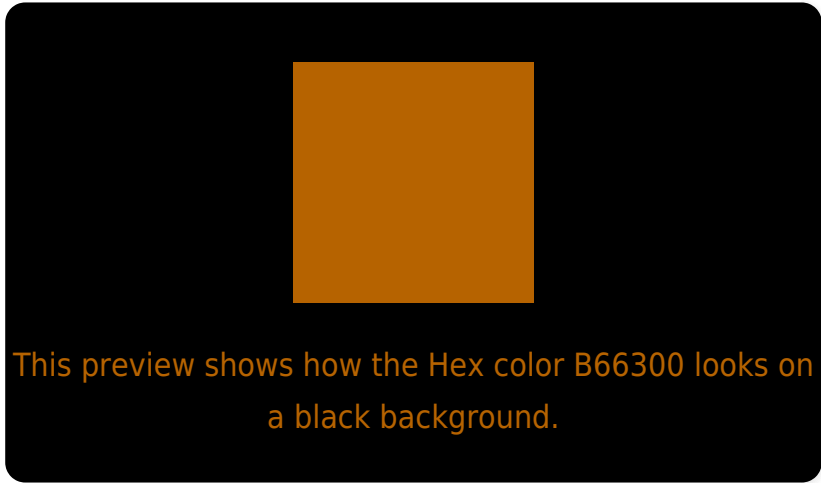
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).



## Hex B66300 Background



This preview shows how black text looks on a background with the Hex color B66300.



This preview shows how white text looks on a background with the Hex color B66300.

# 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**  
B66300

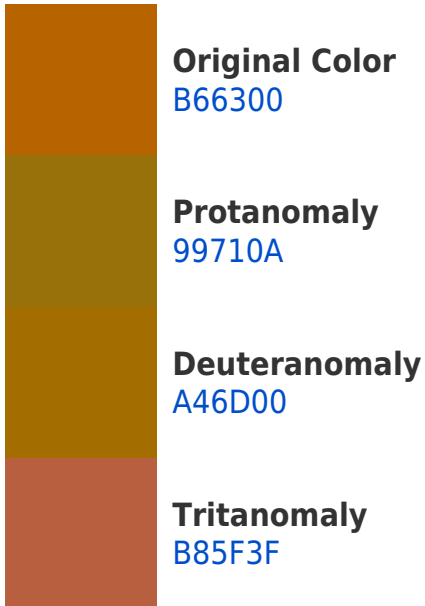
**Protanopia**  
88790F

**Deuteranopia**  
997300

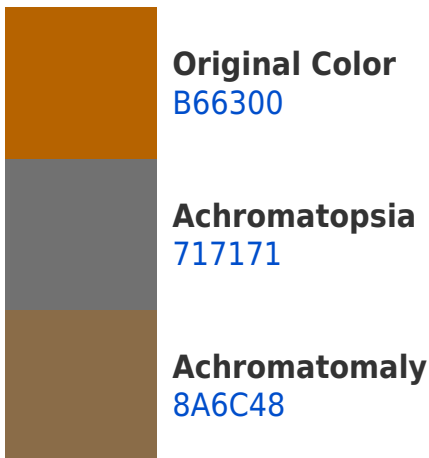


**Tritanopia**  
B95C63

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B66300 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 #B66300 looks like.

```
.text, #text, p{  
    color:#B66300  
}
```

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 #B66300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B66300
}
```

## Border

The CSS property to change the border of an element to Hex B66300 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
#B66300 }
```

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

```
.border{ border-color:#B66300 }
```

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

Here you see how a box with a 4 pixel #B66300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B66300; -webkit-box-shadow:4px 4px  
4px 4px #B66300; box-shadow:4px 4px 4px  
4px #B66300 }
```

# Background

The CSS property to change the background color of an element to Hex B66300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B66300 }
```

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

```
.background{ background-color:#B66300 }
```

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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