

Converting Colors

Hex(B20000)

Have a look what the booklet for
Hex(B20000) contains.

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Color

Hex(B20000)

Conversions

Conversions Part 1

Format	Color
Hex	B20000
RGB	178, 0, 0
RGB Percent	70%, 0%, 0%
CMY	0.3020, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.30
HSL	0°, 100%, 35%
HSV	0°, 100%, 70%
XYZ	18.3601, 9.4650, 0.8592
YIQ	53.2220, 106.0880, 37.7360

Conversions

Conversions Part 2

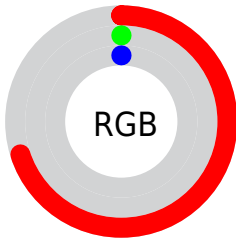
Format	Color
R_{YB}	178, 0, 0
Decimal	11665408
CIE Lab	36.86, 61.17, 51.27
CIE LCh	37, 79.814, 39.968
Yxy	9.4650, 0.6401, 0.3300
Android (android.graphics.Color)	4289855488 (0xFFB20000)
YUV	53.2220, -26.2384, 109.4303
Hunter-Lab	30.7652, 52.6864, 19.8797

Details

The Hex color **B20000** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **00B2B2**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **F34F31**, and **730000** is the 20% darker color. If you saturate the color by 10%, you get **B20000**, and if you desaturate by 10%, it is **B21212**.

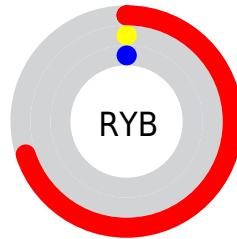
Distribution



Red (70%)

Green (0%)

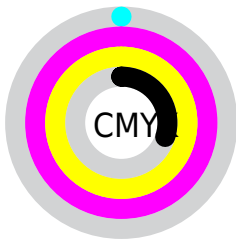
Blue (0%)



Red (70%)

Yellow (0%)

Blue (0%)

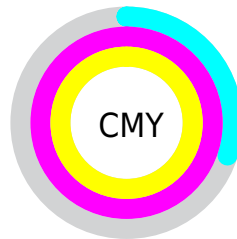


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color B20000 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 B20000 by changing the saturation by 10% instead.

 B20000

 B20000

 FFFFE9

 920000

 F34F31

 730000

 FF6C49

 540001

 FF8862

 380002

 FFA47C

 0C0000

 FFC196

 000000

 FFDEB1

 FFFCCD

 B20000

 B21212

 B22424

 B23535

 B24747

 B25959

 B26B6B

 B27D7D

 B28E8E

 B2A0A0

Harmonies

Analogous

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



C10045



B20000



8C4200

Triad

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



B20000



006D26



005AD9

Complementary

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



B20000



00B2B2

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.



006AD2



B20000



006F6B

Square

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



B20000



006800



006FA9



6C36BB

Rectangle

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



B20000



6B5500



006FA9



0061DA

Sweetspot

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



B20000



E8A2A2



B200B2



754B4B



F5F5F5



757575

Same Dimension

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



B20000



E80000



B25900



595050



990000



1A0000

Inverse Universe

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



00B2B2



00E8E8



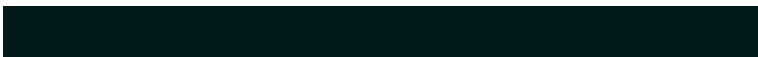
0059B2



505959



009999



001A1A

Previews

White Background



This preview shows how the Hex color B20000 looks on a white background.

Color Contrast Check

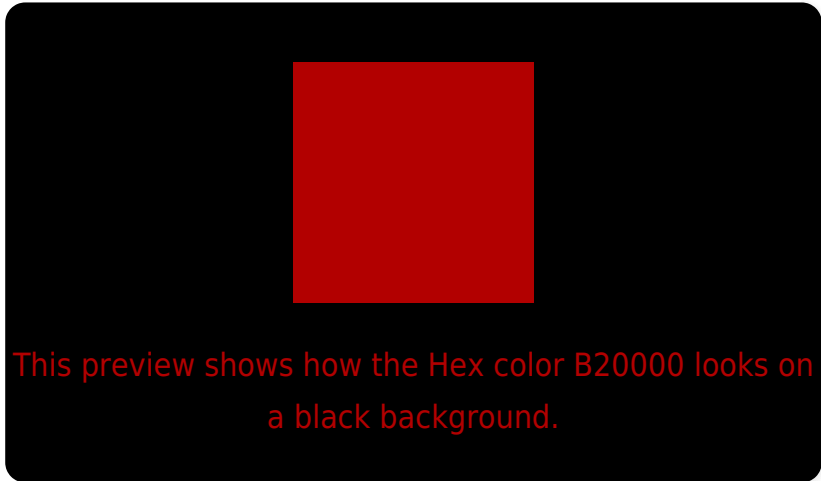
Large Text (above 18pt) WCAG AA ✓ Pass

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 B20000 Background



This preview shows how black text looks on a background with the Hex color B20000.

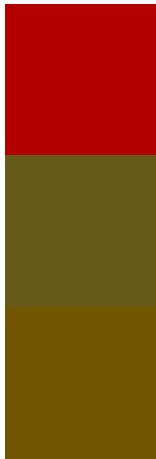


This preview shows how white text looks on a background with the Hex color B20000.

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
B20000

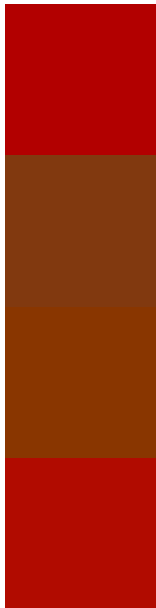
Protanopia
655A17

Deuteranopia
715500



Tritanopia
B11100

Trichromacy



Original Color
B20000

Protanomaly
81390F

Deuteranomaly
893600

Tritanomaly
B10B00

Monochromacy



Original Color
B20000

Achromatopsia
353535

Achromatomaly
622222

CSS Examples

Text

The CSS property to change the color of the text to Hex B20000 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 #B20000 looks like.

```
.text, #text, p{  
    color:#B20000  
}
```

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 #B20000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B20000
}
```

Border

The CSS property to change the border of an element to Hex B20000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

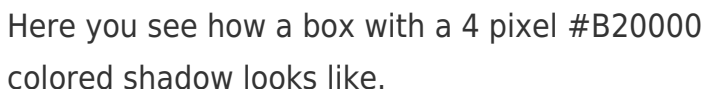
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B20000 }
```

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

```
.border{ border-color:#B20000 }
```

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



Here you see how a box with a 4 pixel #B20000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B20000; -webkit-box-shadow:4px 4px  
4px 4px #B20000; box-shadow:4px 4px 4px  
4px #B20000 }
```

Background

The CSS property to change the background color of an element to Hex B20000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B20000 }
```

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

```
.background{ background-color:#B20000 }
```

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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