

Converting Colors

Hex(20175B)

Have a look what the booklet for
Hex(20175B) contains.

Hex(20175B)	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(20175B)

Conversions

Conversions Part 1

Format	Color
Hex	20175B
RGB	32, 23, 91
RGB Percent	13%, 9%, 36%
CMY	0.8745, 0.9098, 0.6431
CMYK	0.65, 0.75, 0.00, 0.64
HSL	248°, 60%, 22%
HSV	248°, 75%, 36%
XYZ	2.7904, 1.6752, 10.0738
YIQ	33.4430, -16.4640, 23.0560

Conversions

Conversions Part 2

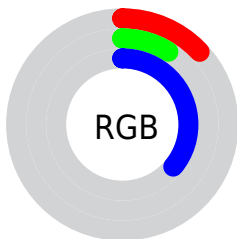
Format	Color
RYB	32, 23, 91
Decimal	2103131
CIELab	13.68, 26.31, -39.28
CIElCh	14, 47.279, 303.812
Yxy	1.6752, 0.1919, 0.1152
Android (android.graphics.Color)	4280293211 (0xFF20175B)
YUV	33.4430, 28.3756, -1.2655
Hunter-Lab	12.9429, 15.8329, -37.0868




Details

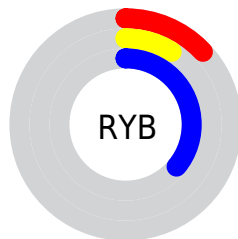
The Hex color **20175B** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **525B17**, and the grayscale version is **212121**.




A 20% lighter version of the original color is **54438E**, and **00032C** is the 20% darker color. If you saturate the color by 10%, you get **180E5B**, and if you desaturate by 10%, it is **28205B**.

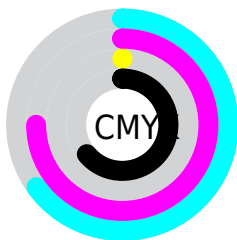
Distribution







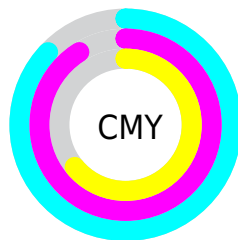
-  Red (13%)
-  Green (9%)
-  Blue (36%)






-  Red (13%)
-  Yellow (9%)
-  Blue (36%)



-  Cyan (65%)
-  Magenta (75%)
-  Yellow (0%)
-  Black (64%)



-  Cyan (87%)
-  Magenta (91%)
-  Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Hex color 20175B 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 20175B by changing the saturation by 10% instead.

 20175B

 20175B


 FFFCFF

 030043

 54438E

 00032C

 6E5BA9

 000116

 8973C4

 000000

 A48DE0

 C0A8FD

 DDC3FF

 FADFFF

 20175B

 20175B

■ 180E5B

■ 28205B

■ 10055B

■ 30295B

■ 0C005B

■ 38325B

■ 403B5B

■ 47455B

■ 4F4E5B

■ 57575B

■ 5F605B

■ 67695B

Harmonies

Analogous

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



002767



20175B



4B0041

Triad

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



20175B



431400



003026

Complementary

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



20175B



525B17

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.



002E00



20175B



292300

Square

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



20175B



540000



002B00



003047

Rectangle

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



20175B



56002B



002B00



00301B

Sweetspot

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



20175B



5F5B75



17535B



2D2B3B



BABABA



3B3B3B

Same Dimension

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



20175B



1A0C75



41175B



2A292E



0F006E



1F00ED

Inverse Universe

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



5B1752



750C67



315B17



2E292D



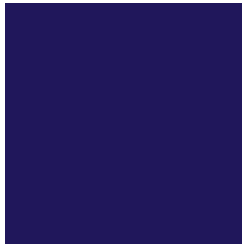
6E005F



ED00CE

Previews

White Background



This preview shows how the Hex color 20175B looks on a white background.

Color Contrast Check

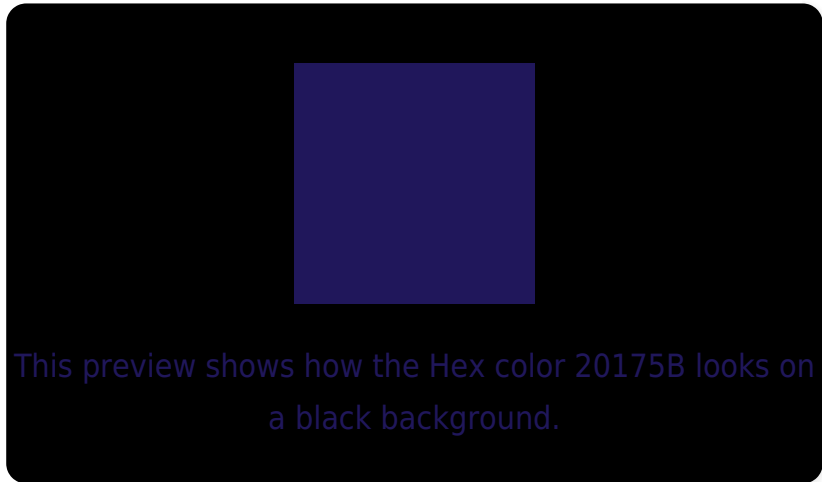
Large Text (above 18pt) WCAG AA ✓ Pass

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

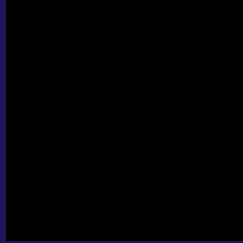
Any Text WCAG AA × Fail

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 20175B Background



This preview shows how black text looks on a background with the Hex color 20175B.



This preview shows how white text looks on a background with the Hex color 20175B.

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
20175B

Protanopia
002349

Deuteranopia
00253E



Tritanopia
00282B

Trichromacy



Original Color
20175B

Protanomaly
0C1F50

Deuteranomaly
0C2049

Tritanomaly
0C223C

Monochromacy



Original Color
20175B

Achromatopsia
212121

Achromatomaly
211D36

CSS Examples

Text

The CSS property to change the color of the text to Hex 20175B 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 #20175B looks like.

```
.text, #text, p{  
    color:#20175B  
}
```

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 #20175B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #20175B  
}
```

Border

The CSS property to change the border of an element to Hex 20175B is called "border". The border property can be set on classes, ids or directly on the HTML element.

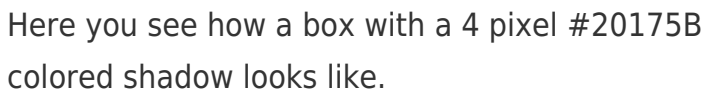
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#20175B }
```

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

```
.border{ border-color:#20175B }
```

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



Here you see how a box with a 4 pixel #20175B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #20175B; -webkit-box-shadow:4px 4px  
4px 4px #20175B; box-shadow:4px 4px 4px  
4px #20175B }
```

Background

The CSS property to change the background color of an element to Hex 20175B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#20175B }
```

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

```
.background{ background-color:#20175B }
```

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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