

Converting Colors

Hex(20136F)

Have a look what the booklet for
Hex(20136F) contains.

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Color

Hex(20136F)

Conversions

Conversions Part 1

Format	Color
Hex	20136F
RGB	32, 19, 111
RGB Percent	13%, 7%, 44%
CMY	0.8745, 0.9255, 0.5647
CMYK	0.71, 0.83, 0.00, 0.56
HSL	248°, 71%, 25%
HSV	248°, 83%, 44%
XYZ	3.6978, 1.9205, 15.2147
YIQ	33.3750, -21.7840, 31.3680

Conversions

Conversions Part 2

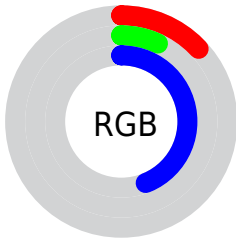
Format	Color
R_{YB}	32, 19, 111
Decimal	2102127
CIE _{Lab}	15.06, 35.52, -50.22
CIE _{LCh}	15, 61.518, 305.272
Yxy	1.9205, 0.1775, 0.0922
Android (android.graphics.Color)	4280292207 (0xFF20136F)
YUV	33.3750, 38.2691, -1.2059
Hunter-Lab	13.8583, 23.3769, -55.3925




Details

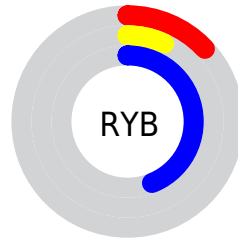
The Hex color **20136F** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **626F13**, and the grayscale version is **212121**.




A 20% lighter version of the original color is **5A40A4**, and **00003E** is the 20% darker color. If you saturate the color by 10%, you get **16086F**, and if you desaturate by 10%, it is **2A1E6F**.

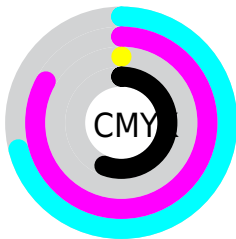
Distribution







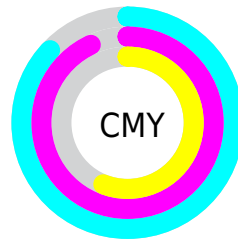
-  Red (13%)
-  Green (7%)
-  Blue (44%)






-  Red (13%)
-  Yellow (7%)
-  Blue (44%)



-  Cyan (71%)
-  Magenta (83%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (87%)
-  Magenta (93%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 20136F 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 20136F by changing the saturation by 10% instead.

■ 20136F

■ 20136F

■ FFFAFF

■ 000056

■ 5A40A4

■ 00003E

■ 7558BF

■ 000327

■ 9071DB

■ 000110

■ AD8BF8

■ 000000

■ C9A6FF

■ E6C1FF

■ FFDDFF

■ 20136F

■ 20136F

■ 16086F

■ 2A1E6F

■ 10006F

■ 33296F

■ 3D346F

■ 463F6F

■ 504B6F

■ 59566F

■ 63616F

■ 6C6C6F

■ 76776F

Harmonies

Analogous

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



002B80



20136F



5B004B

Triad

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



20136F



4B1200



00362D

Complementary

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



20136F



626F13

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.



003400



20136F



292700

Square

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



20136F



630000



003000



003658

Rectangle

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



20136F



69002F



003000



00351D

Sweetspot

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



20136F



726D91



13636F



37344A



C9C9C9



4A4A4A

Same Dimension

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



20136F



160191



4D136F



333238



110078



2300F7

Inverse Universe

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



6F1362



91017D



356F13



383237



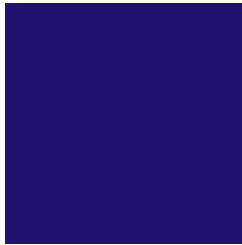
780067



F700D4

Previews

White Background



This preview shows how the Hex color 20136F looks on a white background.

Color Contrast Check

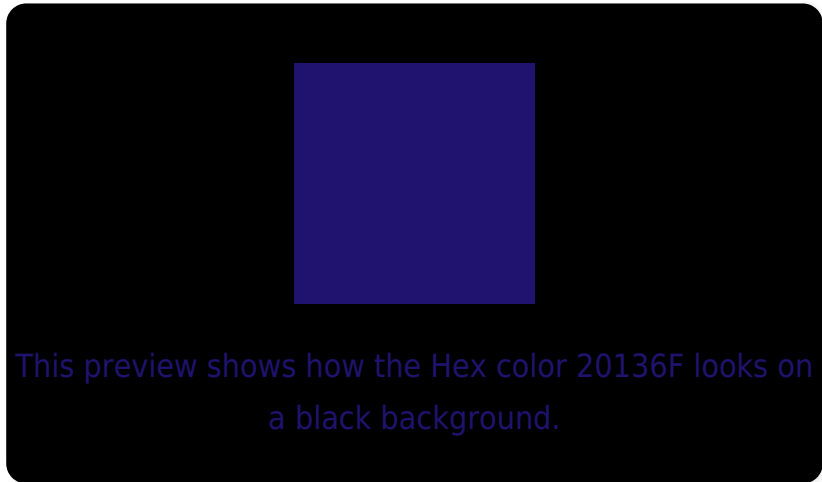
Large Text (above 18pt) WCAG AA ✓ Pass

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

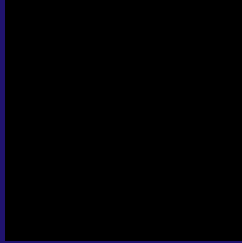
Any Text WCAG AA × Fail

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 20136F Background



This preview shows how black text looks on a background with the Hex color 20136F.



This preview shows how white text looks on a background with the Hex color 20136F.

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
20136F

Protanopia
00264F

Deuteranopia
002844



Tritanopia
002B2E

Trichromacy



Original Color
20136F

Protanomaly
0C1F5B

Deuteranomaly
0C2054

Tritanomaly
0C2246

Monochromacy



Original Color
20136F

Achromatopsia
212121

Achromatomaly
211C3D

CSS Examples

Text

The CSS property to change the color of the text to Hex 20136F 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 #20136F looks like.

```
.text, #text, p{  
    color:#20136F  
}
```

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 #20136F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #20136F
}
```

Border

The CSS property to change the border of an element to Hex 20136F is called "border". The border property can be set on classes, ids or directly on the HTML element.

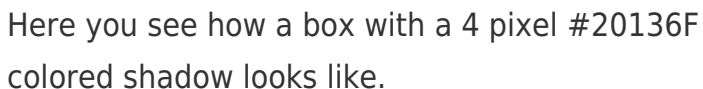
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#20136F }
```

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

```
.border{ border-color:#20136F }
```

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



Here you see how a box with a 4 pixel #20136F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #20136F; -webkit-box-shadow:4px 4px  
4px 4px #20136F; box-shadow:4px 4px 4px  
4px #20136F }
```

Background

The CSS property to change the background color of an element to Hex 20136F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#20136F }
```

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

```
.background{ background-color:#20136F }
```

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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