

# Converting Colors

Hex(22056D)

Have a look what the booklet for  
Hex(22056D) contains.

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# Color

**Hex(22056D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	22056D
RGB	34, 5, 109
RGB Percent	13%, 2%, 43%
CMY	0.8667, 0.9804, 0.5725
CMYK	0.69, 0.95, 0.00, 0.57
HSL	257°, 91%, 22%
HSV	257°, 95%, 43%
XYZ	3.4743, 1.5527, 14.5846
YIQ	25.5270, -16.1000, 38.4920

# Conversions

## Conversions Part 2

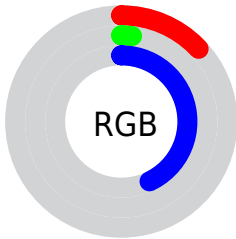
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 5, 109
Decimal	2229613
CIE <sub>Lab</sub>	12.94, 41.20, -52.44
CIE <sub>LCh</sub>	13, 66.684, 308.157
Yxy	1.5527, 0.1772, 0.0792
Android (android.graphics.Color)	4280419693 (0xFF22056D)
YUV	25.5270, 41.1522, 7.4308
Hunter-Lab	12.4609, 27.9615, -60.6719

# Details

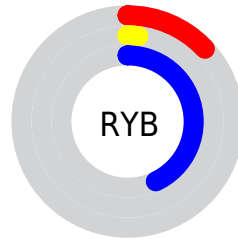
The Hex color **22056D** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **506D05**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **5B36A2**, and **00003C** is the 20% darker color. If you saturate the color by 10%, you get **1E006D**, and if you desaturate by 10%, it is **2A106D**.

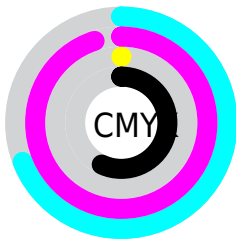
# Distribution



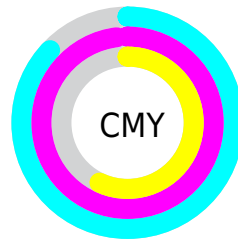
- Red (13%)
- Green (2%)
- Blue (43%)



- Red (13%)
- Yellow (2%)
- Blue (43%)



- Cyan (69%)
- Magenta (95%)
- Yellow (0%)
- Black (57%)



- Cyan (87%)
- Magenta (98%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22056D 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 22056D by changing the saturation by 10% instead.



 22056D

 22056D

 FFEFFF

 000054

 5B36A2

 00003C

 774EBD

 000225

 9367D9

 00010E

 AF81F6

 000000

 CC9CFF

 E9B7FF

 FFD3FF

 22056D

 22056D

■ 1E006D

■ 2A106D

■ 321B6D

■ 3A266D

■ 41316D

■ 493B6D

■ 51466D

■ 59516D

■ 615C6D

■ 69676D

# Harmonies

## Analogous

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



002782



22056D



5C0045

# Triad

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



22056D



440E00



00312E

# Complementary

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



22056D



506D05

# 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.



003000



22056D



1F2400

# Square

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



22056D



5E0000



002C00



00335B

# Rectangle

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



22056D



680027



002C00



00301D



# Sweetspot

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



22056D



71658F



05516D



352E47



C7C7C7



474747



# Same Dimension

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



22056D



28008F



55056D



323036



210075



4400F5



# Inverse Universe

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



6D0550



8F0067



1D6D05



363034



750055

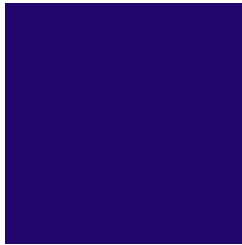


F500B1



# Previews

## White Background



This preview shows how the Hex color 22056D looks on a white background.

## Color Contrast Check

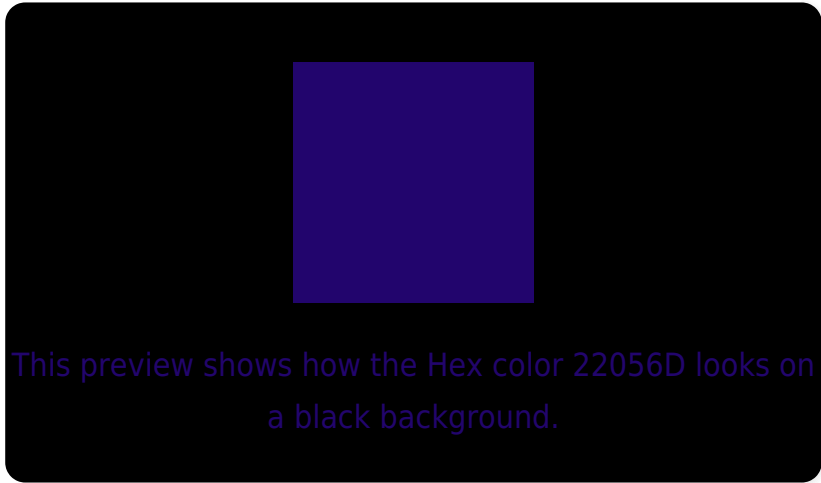
Large Text (above 18pt) WCAG AA ✓ Pass

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

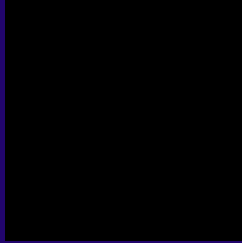
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 22056D Background



This preview shows how black text looks on a background with the Hex color 22056D.



This preview shows how white text looks on a background with the Hex color 22056D.

# 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**  
22056D

**Protanopia**  
00234A

**Deuteranopia**  
00263F



**Tritanopia**  
00292B

# Trichromacy



**Original Color**  
22056D

**Protanomaly**  
0C1857

**Deuteranomaly**  
0C1A50

**Tritanomaly**  
0C1C43

# Monochromacy



**Original Color**  
22056D

**Achromatopsia**  
1A1A1A

**Achromatomaly**  
1D1238

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22056D 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 #22056D looks like.

```
.text, #text, p{  
    color:#22056D  
}
```

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 #22056D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22056D
}
```

## Border

The CSS property to change the border of an element to Hex 22056D is called "border". The border property can be set on classes, ids or directly on the HTML element.

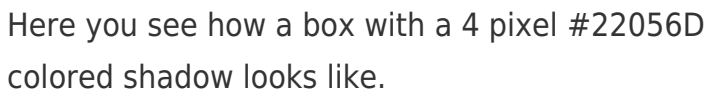
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#22056D }
```

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

```
.border{ border-color:#22056D }
```

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



Here you see how a box with a 4 pixel #22056D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22056D; -webkit-box-shadow:4px 4px  
4px 4px #22056D; box-shadow:4px 4px 4px  
4px #22056D }
```

# Background

The CSS property to change the background color of an element to Hex 22056D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22056D }
```

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

```
.background{ background-color:#22056D }
```

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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