

# Converting Colors

Hex(1E20A0)

Have a look what the booklet for  
Hex(1E20A0) contains.

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# Color

**Hex(1E20A0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1E20A0
RGB	30, 32, 160
RGB Percent	12%, 13%, 63%
CMY	0.8824, 0.8745, 0.3725
CMYK	0.81, 0.80, 0.00, 0.37
HSL	239°, 68%, 37%
HSV	239°, 81%, 63%
XYZ	7.3971, 3.8471, 33.6104
YIQ	45.9940, -42.2800, 39.3840

# Conversions

## Conversions Part 2

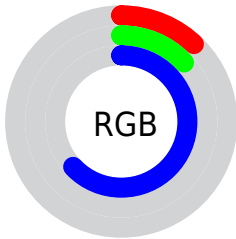
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 32, 160
Decimal	1974432
CIE <sub>Lab</sub>	23.16, 44.68, -67.65
CIE <sub>LCh</sub>	23, 81.075, 303.445
Yxy	3.8471, 0.1649, 0.0858
Android (android.graphics.Color)	4280164512 (0xFF1E20A0)
YUV	45.9940, 56.2050, -14.0267
Hunter-Lab	19.6140, 32.9936, -87.8688

# Details

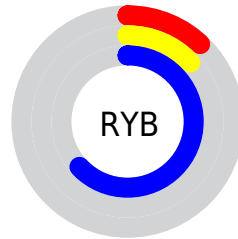
The Hex color **1E20A0** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **A09E1E**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **644FD8**, and **00006B** is the 20% darker color. If you saturate the color by 10%, you get **0E10A0**, and if you desaturate by 10%, it is **2E30A0**.

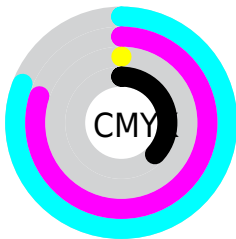
# Distribution



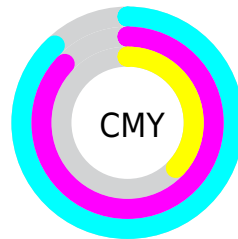
- Red (12%)
- Green (13%)
- Blue (63%)



- Red (12%)
- Yellow (13%)
- Blue (63%)



- Cyan (81%)
- Magenta (80%)
- Yellow (0%)
- Black (37%)



- Cyan (88%)
- Magenta (87%)
- Yellow (37%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E20A0 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 1E20A0 by changing the saturation by 10% instead.



 1E20A0

 1E20A0

FFFFFF

 000985

 644FD8

 00006B

 8268F5

 000052

 A081FF

 00053A

 BD9CFF

 000223

 DBB7FF

 00000A

 FAD3FF

 000000

 FFEFFF

 1E20A0

 1E20A0

■ 0E10A0

■ 2E30A0

■ 0002A0

■ 3E40A0

■ 4E4FA0

■ 5E5FA0

■ 6E6FA0

■ 7E7FA0

■ 8E8EA0

■ 9E9EA0

■ AEAEA0

# Harmonies

## Analogous

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



0040B6



1E20A0



7F006F

# Triad

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



1E20A0



6D1700



004B3D

# Complementary

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



1E20A0



A09E1E

# 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.



004900



1E20A0



3F3800

# Square

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



1E20A0



8D0000



004400



004C7A

# Rectangle

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



1E20A0



930047



004400



004A28



# Sweetspot

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



1E20A0



9FA0D1



1EA09E



4A4B69



E8E8E8



696969



# Same Dimension

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



1E20A0



0407D1



5D1EA0



47474F



00028F



00000F



# Inverse Universe

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



A01E20



D10407



61A01E



4F4747



8F0002

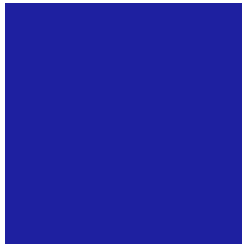


0F0000



# Previews

## White Background



This preview shows how the Hex color 1E20A0 looks on a white background.

## Color Contrast Check

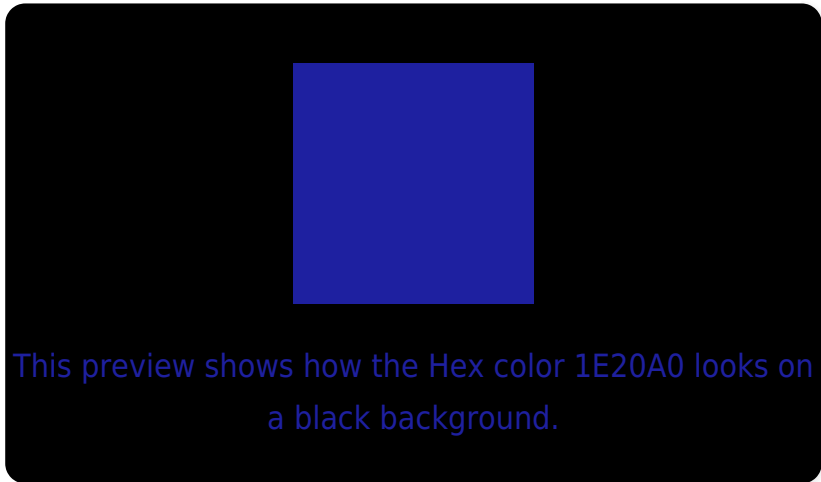
Large Text (above 18pt) WCAG AA ✓ Pass

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

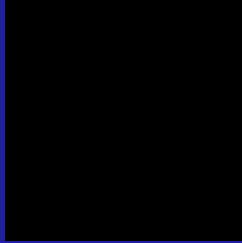
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1E20A0 Background



This preview shows how black text looks on a background with the Hex color 1E20A0.



This preview shows how white text looks on a background with the Hex color 1E20A0.

# 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**


1E20A0

**Protanopia**

003671

**Deuteranopia**

003960



**Tritanopia**  
003E41

# Trichromacy



**Original Color**

1E20A0

**Protanomaly**

0B2E82

**Deuteranomaly**

0B3077

**Tritanomaly**

0B3364

# Monochromacy



**Original Color**

1E20A0

**Achromatopsia**

2E2E2E

**Achromatomaly**

282957

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E20A0 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 #1E20A0 looks like.

```
.text, #text, p{  
    color:#1E20A0  
}
```

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 #1E20A0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E20A0
}
```

## Border

The CSS property to change the border of an element to Hex 1E20A0 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
#1E20A0 }
```

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

```
.border{ border-color:#1E20A0 }
```

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

Here you see how a box with a 4 pixel #1E20A0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E20A0; -webkit-box-shadow:4px 4px  
4px 4px #1E20A0; box-shadow:4px 4px 4px  
4px #1E20A0 }
```

# Background

The CSS property to change the background color of an element to Hex 1E20A0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E20A0 }
```

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

```
.background{ background-color:#1E20A0 }
```

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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