

# Converting Colors

Hex(21120D)

Have a look what the booklet for  
Hex(21120D) contains.

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# Color

**Hex(21120D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21120D
RGB	33, 18, 13
RGB Percent	13%, 7%, 5%
CMY	0.8706, 0.9294, 0.9490
CMYK	0.00, 0.45, 0.61, 0.87
HSL	15°, 43%, 9%
HSV	15°, 61%, 13%
XYZ	0.9162, 0.7850, 0.4840
YIQ	21.9150, 10.5450, 1.6250

# Conversions

## Conversions Part 2

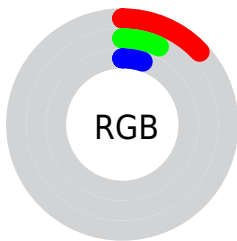
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 20, 13
Decimal	2167309
CIELab	7.09, 6.88, 5.30
CIELCh	7, 8.686, 37.624
Yxy	0.7850, 0.4193, 0.3592
Android (android.graphics.Color)	4280357389 (0xFF21120D)
YUV	21.9150, -4.3951, 9.7215
Hunter-Lab	8.8600, 2.9523, 2.9632

# Details

The Hex color **21120D** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **0D1C21**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **4D3C38**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **21100A**, and if you desaturate by 10%, it is **211410**.

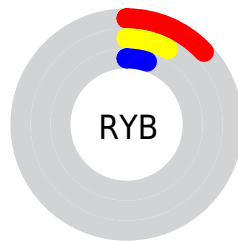
# Distribution



Red (13%)

Green (7%)

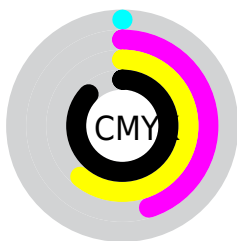
Blue (5%)



Red (13%)

Yellow (8%)

Blue (5%)

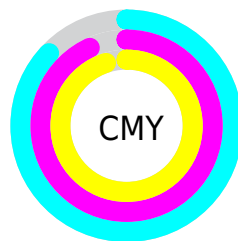


Cyan (0%)

Magenta (45%)

Yellow (61%)

Black (87%)



Cyan (87%)

Magenta (93%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21120D 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 21120D by changing the saturation by 10% instead.



■ 21120D

■ 21120D

■ FFF2ED

■ 000000

■ 4D3C38

■ 66534F

■ 7F6B67

■ 998580

■ B49F9A

■ CFBAB5

■ ECD5D0

■ 21120D

■ 21120D

■ 21100A

■ 211410

■ 210D06

■ 211714

■ 210B03

■ 211917

■ 210800

■ 211C1A

■ 211E1E

■ 212121

■ 212324

■ 212627

■ 21282B

# Harmonies

## Analogous

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



211114



21120D



1E1406

# Triad

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



21120D



091910



101621

# Complementary

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



21120D



0D1C21

# 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.



071820



21120D



021917

# Square

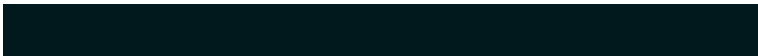
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21120D



121809



01191C



18141F

# Rectangle

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



21120D



1B1505



01191C



0D1621



# Sweetspot

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



21120D



2B2524



210D1C



171312



969696



171717



# Same Dimension

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



21120D



2B140C



211C0D



0F0E0E



4F1400



CF3400



# Inverse Universe

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



0D1C21



0C232B



0D1221



0E0F0F



003B4F



009BCF



# Previews

## White Background



This preview shows how the Hex color 21120D 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

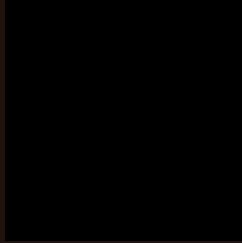
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 21120D Background



This preview shows how black text looks on a background with the Hex color 21120D.



This preview shows how white text looks on a background with the Hex color 21120D.

# 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**  
21120D

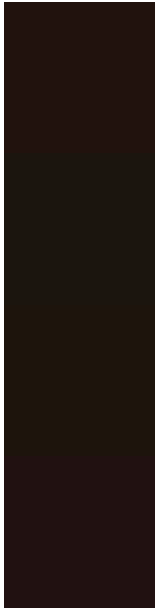
**Protanopia**  
18160F

**Deuteranopia**  
1B150C



**Tritanopia**  
211113

# Trichromacy



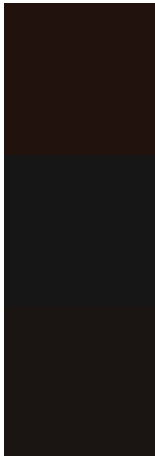
**Original Color**  
21120D

**Protanomaly**  
1B150E

**Deuteranomaly**  
1D140C

**Tritanomaly**  
211111

# Monochromacy



**Original Color**  
21120D

**Achromatopsia**  
161616

**Achromatomaly**  
1A1513

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21120D 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 #21120D looks like.

```
.text, #text, p{  
    color:#21120D  
}
```

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 #21120D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21120D
}
```

## Border

The CSS property to change the border of an element to Hex 21120D 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
#21120D }
```

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

```
.border{ border-color:#21120D }
```

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

Here you see how a box with a 4 pixel #21120D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21120D; -webkit-box-shadow:4px 4px  
4px 4px #21120D; box-shadow:4px 4px 4px  
4px #21120D }
```

# Background

The CSS property to change the background color of an element to Hex 21120D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21120D }
```

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

```
.background{ background-color:#21120D }
```

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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