

# Converting Colors

Hex(242020)

Have a look what the booklet for  
Hex(242020) contains.

<b>Hex(242020)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(242020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	242020
RGB	36, 32, 32
RGB Percent	14%, 13%, 13%
CMY	0.8588, 0.8745, 0.8745
CMYK	0.00, 0.11, 0.11, 0.86
HSL	0°, 6%, 13%
HSV	0°, 11%, 14%
XYZ	1.5048, 1.5124, 1.5791
YIQ	33.1960, 2.3840, 0.8480

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 32, 32
Decimal	2367520
CIE <sub>Lab</sub>	12.69, 1.90, 0.69
CIE <sub>LCh</sub>	13, 2.021, 19.858
Yxy	1.5124, 0.3274, 0.3290
Android (android.graphics.Color)	4280557600 (0xFF242020)
YUV	33.1960, -0.5896, 2.4591
Hunter-Lab	12.2979, 0.3201, 0.9954

# Details

The Hex color **242020** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **202424**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **504C4C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **241C1C**, and if you desaturate by 10%, it is **242424**.

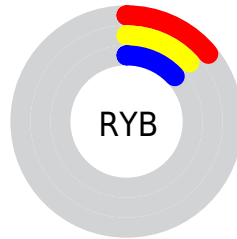
# Distribution



Red (14%)

Green (13%)

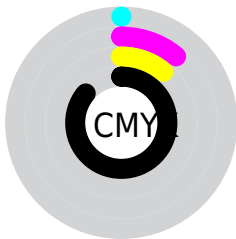
Blue (13%)



Red (14%)

Yellow (13%)

Blue (13%)

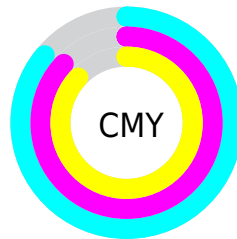


Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (86%)



Cyan (86%)

Magenta (87%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 242020 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 242020 by changing the saturation by 10% instead.



■ 242020

■ 242020

FFFFFF

■ 0F0808

■ 504C4C

■ 000000

■ 696464

■ 827D7D

■ 9C9696

■ B7B1B1

■ D2CDCD

■ EEE9E9

■ 242020

■ 242020

■ 241C1C

■ 242424

■ 241919

■ 242727

■ 241515

■ 242B2B

■ 241212

■ 242E2E

■ 240E0E

■ 243232

■ 240A0A

■ 243636

■ 240707

■ 243939

■ 240303

■ 243D3D

■ 240000

■ 244040

# Harmonies

## Analogous

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



242021



242020



24201F

# Triad

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



242020



1F211F



1F2124

# Complementary

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



242020



202424

# 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.



1E2223



242020



1E2220

# Square

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



242020



21211E



1E2222



212123

# Rectangle

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



242020



23201E



1E2222



1F2123



# Sweetspot

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



242020



2E2D2D



242024



171616



969696



171717



# Same Dimension

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



242020



2E2828



242220



121010



520000



D10000



# Inverse Universe

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



202424



282E2E



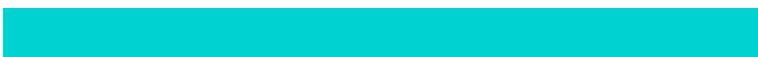
202224



101212



005252

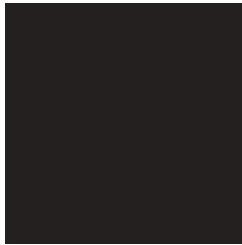


00D1D1



# Previews

## White Background



This preview shows how the Hex color 242020 looks on a white background.

## Color Contrast Check

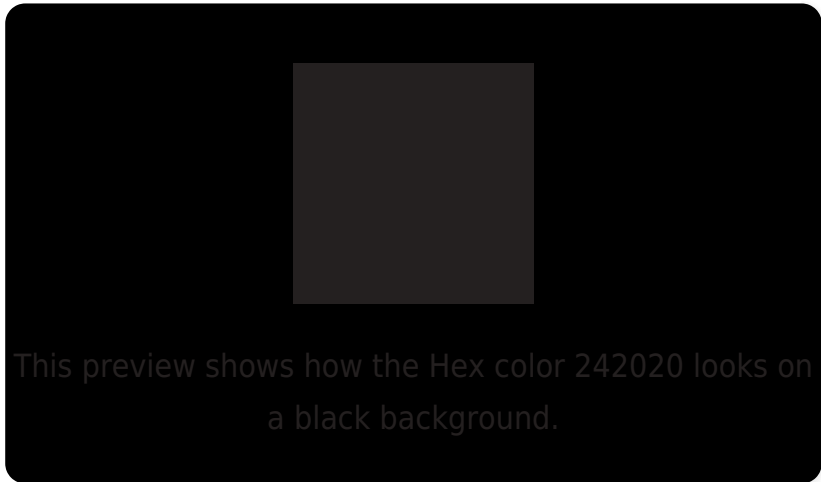
Large Text (above 18pt) WCAG AA ✓ Pass

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

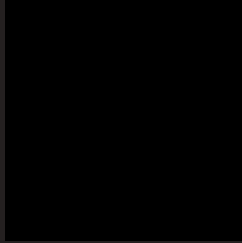
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

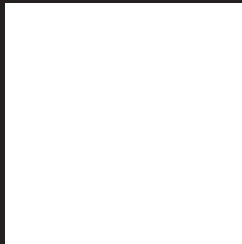
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 242020 Background



This preview shows how black text looks on a background with the Hex color 242020.

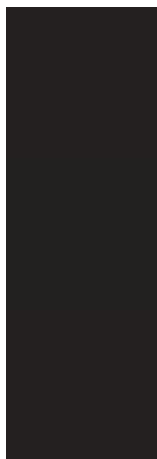


This preview shows how white text looks on a background with the Hex color 242020.

# 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**  
242020

**Protanopia**  
222120

**Deuteranopia**  
242020



# Trichromacy



**Original Color**

242020

**Protanomaly**

232120

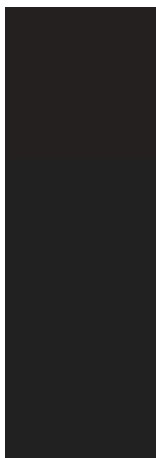
**Deuteranomaly**

242020

**Tritanomaly**

242021

# Monochromacy



**Original Color**

242020

**Achromatopsia**

212121

**Achromatomaly**

222121

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 242020 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 #242020 looks like.

```
.text, #text, p{  
    color:#242020  
}
```

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 #242020 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #242020
}
```

## Border

The CSS property to change the border of an element to Hex 242020 is called "border". The border property can be set on classes, ids or directly on the HTML element.

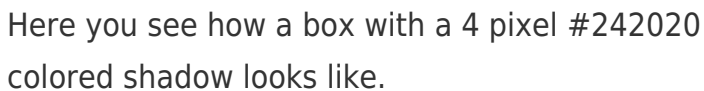
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#242020 }
```

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

```
.border{ border-color:#242020 }
```

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



Here you see how a box with a 4 pixel #242020 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #242020; -webkit-box-shadow:4px 4px  
4px 4px #242020; box-shadow:4px 4px 4px  
4px #242020 }
```

# Background

The CSS property to change the background color of an element to Hex 242020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#242020 }
```

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

```
.background{ background-color:#242020 }
```

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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