

Converting Colors

Hex(2F1B20)

Have a look what the booklet for
Hex(2F1B20) contains.

Hex(2F1B20)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2F1B20)

Conversions

Conversions Part 1

Format	Color
Hex	2F1B20
RGB	47, 27, 32
RGB Percent	18%, 11%, 13%
CMY	0.8157, 0.8941, 0.8745
CMYK	0.00, 0.43, 0.32, 0.82
HSL	345°, 27%, 15%
HSV	345°, 43%, 18%
XYZ	1.8249, 1.4925, 1.5584
YIQ	33.5500, 10.3150, 5.7950

Conversions

Conversions Part 2

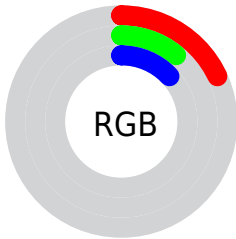
Format	Color
R_{YB}	47, 27, 32
Decimal	3087136
CIE Lab	12.56, 10.78, 0.68
CIE LCh	13, 10.805, 3.623
Yxy	1.4925, 0.3743, 0.3061
Android (android.graphics.Color)	4281277216 (0xFF2F1B20)
YUV	33.5500, -0.7641, 11.7957
Hunter-Lab	12.2167, 5.2850, 0.9886

Details

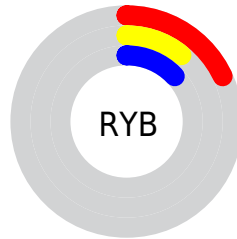
The Hex color **2F1B20** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1B2F2A**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **5E474C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2F161C**, and if you desaturate by 10%, it is **2F2024**.

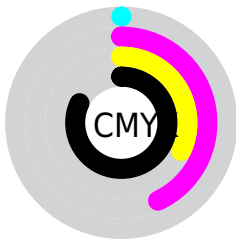
Distribution



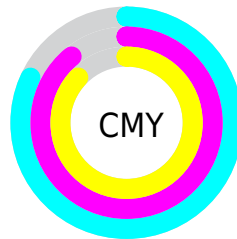
- Red (18%)
- Green (11%)
- Blue (13%)



- Red (18%)
- Yellow (11%)
- Blue (13%)



- Cyan (0%)
- Magenta (43%)
- Yellow (32%)
- Black (82%)



- Cyan (82%)
- Magenta (89%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2F1B20 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 2F1B20 by changing the saturation by 10% instead.

■ 2F1B20

■ 2F1B20

FFFFFF

■ 1C0108

■ 5E474C

■ 000000

■ 775E64

■ 90777D

■ AB9196

■ C6ABB1

■ E3C7CD

■ FFE3E9

■ 2F1B20

■ 2F1B20

■ 2F161C

■ 2F2024

■ 2F1219

■ 2F2427

■ 2F0D15

■ 2F292B

■ 2F0812

■ 2F2E2E

■ 2F030E

■ 2F3332

■ 2F000C

■ 2F3735

■ 2F3C39

■ 2F413C

■ 2F4540

Harmonies

Analogous

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



2B1C27



2F1B20



2F1C19

Triad

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



2F1B20



1D2314



0D232E

Complementary

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



2F1B20



1B2F2A

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.



072429



2F1B20



14241A

Square

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



2F1B20



252011



0C2521



18212F

Rectangle

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



2F1B20



2D1D15



0C2521



0A242C

Sweetspot

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



2F1B20



3D3537



2A1B2F



1F1A1B



9E9E9E



1F1F1F

Same Dimension

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



2F1B20



3D1E26



2F201B



171515



570016



D60036

Inverse Universe

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



2F1B20



3D1E26



1B2A2F



171515



570016



D60036

Previews

White Background



This preview shows how the Hex color 2F1B20 looks on a white background.

Color Contrast Check

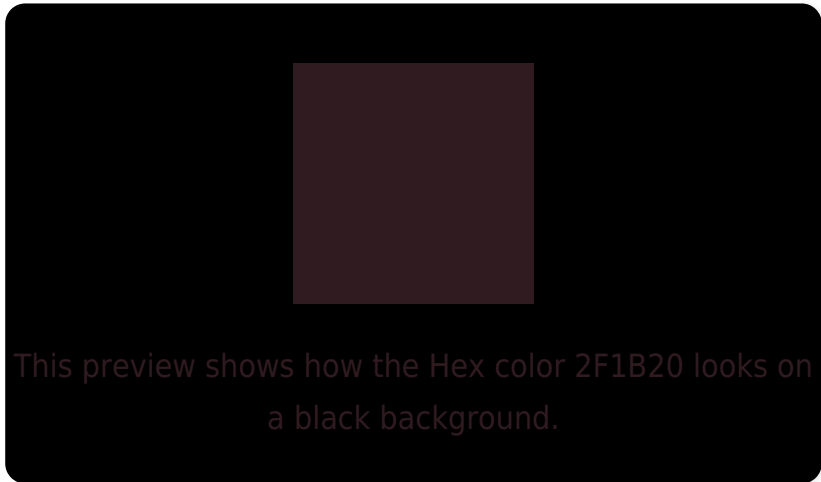
Large Text (above 18pt) WCAG AA ✓ Pass

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 2F1B20 Background



This preview shows how black text looks on a background with the Hex color 2F1B20.

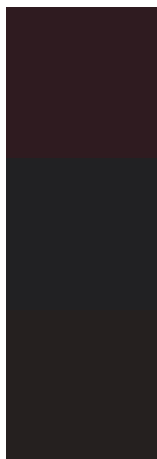


This preview shows how white text looks on a background with the Hex color 2F1B20.

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
2F1B20

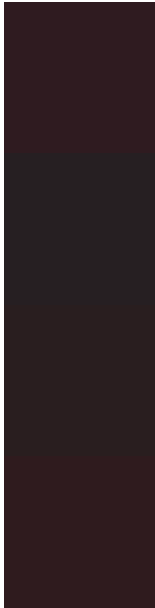
Protanopia
212123

Deuteranopia
25201F



Tritanopia
2F1B1D

Trichromacy



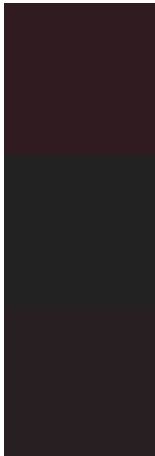
Original Color
2F1B20

Protanomaly
261F22

Deuteranomaly
291E1F

Tritanomaly
2F1B1E

Monochromacy



Original Color
2F1B20

Achromatopsia
222222

Achromatomaly
271F21

CSS Examples

Text

The CSS property to change the color of the text to Hex 2F1B20 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 #2F1B20 looks like.

```
.text, #text, p{  
    color:#2F1B20  
}
```

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 #2F1B20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F1B20
}
```

Border

The CSS property to change the border of an element to Hex 2F1B20 is called "border". The border property can be set on classes, ids or directly on the HTML element.

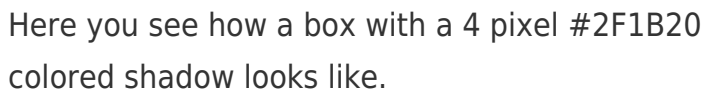
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2F1B20 }
```

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

```
.border{ border-color:#2F1B20 }
```

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



Here you see how a box with a 4 pixel #2F1B20 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F1B20; -webkit-box-shadow:4px 4px  
4px 4px #2F1B20; box-shadow:4px 4px 4px  
4px #2F1B20 }
```

Background

The CSS property to change the background color of an element to Hex 2F1B20 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F1B20 }
```

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

```
.background{ background-color:#2F1B20 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor