

Converting Colors

Hex(12220B)

Have a look what the booklet for
Hex(12220B) contains.

Hex(12220B)	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(12220B)

Conversions

Conversions Part 1

Format	Color
Hex	12220B
RGB	18, 34, 11
RGB Percent	7%, 13%, 4%
CMY	0.9294, 0.8667, 0.9569
CMYK	0.47, 0.00, 0.68, 0.87
HSL	102°, 51%, 9%
HSV	102°, 68%, 13%
XYZ	0.8819, 1.2968, 0.5204
YIQ	26.5940, -2.1530, -10.5450

Conversions

Conversions Part 2

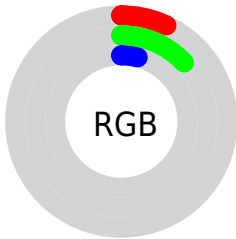
Format	Color
R_{YB}	11, 34, 27
Decimal	1188363
CIE _{Lab}	11.25, -12.40, 11.96
CIE _{LCh}	11, 17.230, 136.051
Yxy	1.2968, 0.3267, 0.4805
Android (android.graphics.Color)	4279378443 (0xFF12220B)
YUV	26.5940, -7.6878, -7.5369
Hunter-Lab	11.3878, -6.1053, 5.2618

Details

The Hex color **12220B** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **1B0B22**, and the grayscale version is **1B1B1B**.

A 20% lighter version of the original color is **3C4E36**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **102208**, and if you desaturate by 10%, it is **14220E**.

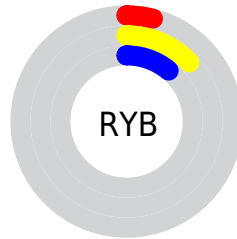
Distribution



Red (7%)

Green (13%)

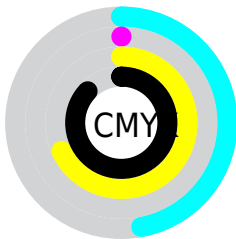
Blue (4%)



Red (4%)

Yellow (13%)

Blue (11%)

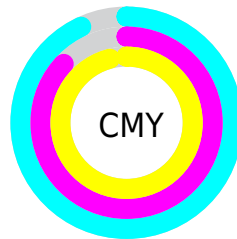


Cyan (47%)

Magenta (0%)

Yellow (68%)

Black (87%)



Cyan (93%)


Magenta (87%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12220B 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 12220B by changing the saturation by 10% instead.

 12220B

 12220B

 F3FFE8

 000900

 3C4E36

 000000

 54674D

 6C8065

 869A7E

 A0B498

 BBD0B3

 D7ECCF

 12220B

 12220B

■ 102208

■ 14220E

■ 0D2204

■ 172212

■ 0B2201

■ 192215

■ 0A2200

■ 1B2219

■ 1E221C

■ 20221F

■ 232223

■ 252226

■ 27222A

Harmonies

Analogous

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



201F00



12220B



002418

Triad

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



12220B



002135



341418

Complementary

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



12220B



1B0B22

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.



311524



12220B



151D35

Square

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



12220B



00232F



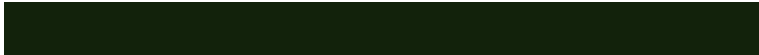
27182E



31170B

Rectangle

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



12220B



002420



27182E



34141C

Sweetspot

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



12220B



252B23



221B0B



131711



969696



171717

Same Dimension

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



12220B



132B08



0B220F



111210



195200



40D100

Inverse Universe

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



1B0B22



21082B



220B1E



111012



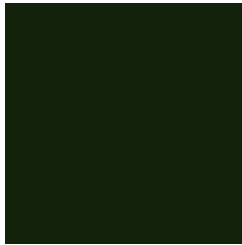
390052



9100D1

Previews

White Background



This preview shows how the Hex color 12220B 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

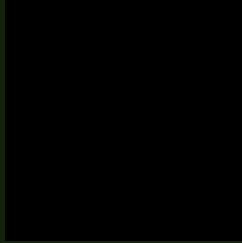
Any Text WCAG AA × Fail

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 12220B Background



This preview shows how black text looks on a background with the Hex color 12220B.

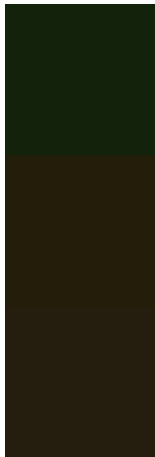


This preview shows how white text looks on a background with the Hex color 12220B.

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
12220B

Protanopia
221E0A

Deuteranopia
251D0D

Trichromacy



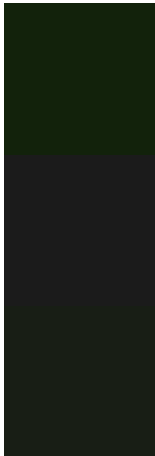
Original Color
12220B

Protanomaly
1C1F0A

Deuteranomaly
1E1F0C

Tritanomaly
15211A

Monochromacy



Original Color
12220B

Achromatopsia
1B1B1B

Achromatomaly
181E15

CSS Examples

Text

The CSS property to change the color of the text to Hex 12220B 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 #12220B looks like.

```
.text, #text, p{  
    color:#12220B  
}
```

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 #12220B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12220B
}
```

Border

The CSS property to change the border of an element to Hex 12220B is called "border". The border property can be set on classes, ids or directly on the HTML element.

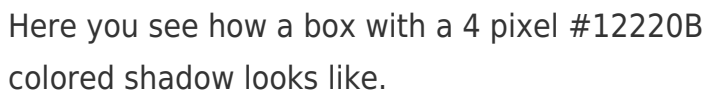
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#12220B }
```

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

```
.border{ border-color:#12220B }
```

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



Here you see how a box with a 4 pixel #12220B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12220B; -webkit-box-shadow:4px 4px  
4px 4px #12220B; box-shadow:4px 4px 4px  
4px #12220B }
```

Background

The CSS property to change the background color of an element to Hex 12220B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12220B }
```

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

```
.background{ background-color:#12220B }
```

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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