

# Converting Colors

Hex(DE2220)

Have a look what the booklet for  
Hex(DE2220) contains.

<b>Hex(DE2220)</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(DE2220)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE2220
RGB	222, 34, 32
RGB Percent	87%, 13%, 13%
CMY	0.1294, 0.8667, 0.8745
CMYK	0.00, 0.85, 0.86, 0.13
HSL	1°, 75%, 50%
HSV	1°, 86%, 87%
XYZ	30.9569, 16.7779, 2.9734
YIQ	89.9840, 112.6900, 39.2340

# Conversions

## Conversions Part 2

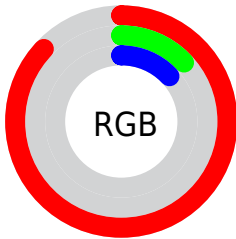
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 34, 32</a>
Decimal	<a href="#">14557728</a>
CIELab	<a href="#">47.98, 68.24, 50.08</a>
CIELCh	<a href="#">48, 84.648, 36.274</a>
Yxy	<a href="#">16.7779, 0.6105, 0.3309</a>
Android (android.graphics.Color)	<a href="#">4292747808 (0xFFDE2220)</a>
YUV	<a href="#">89.9840, -28.5861, 115.7780</a>
Hunter-Lab	<a href="#">40.9609, 63.2231, 24.3687</a>

# Details

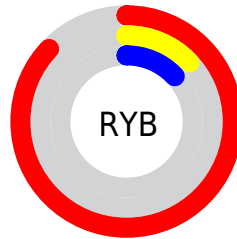
The Hex color **DE2220** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **20DCDE**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **FF654F**, and **9D0000** is the 20% darker color. If you saturate the color by 10%, you get **DE0C0A**, and if you desaturate by 10%, it is **DE3836**.

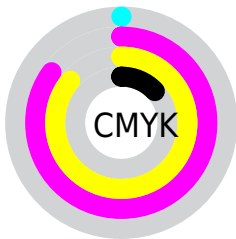
# Distribution



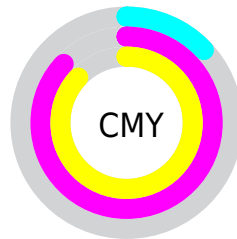
- Red (87%)
- Green (13%)
- Blue (13%)



- Red (87%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (85%)
- Yellow (86%)
- Black (13%)



- Cyan (13%)
- Magenta (87%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DE2220 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 DE2220 by changing the saturation by 10% instead.



 DE2220

 DE2220

FFFFFF

 BD0008

 FF654F

 9D0000

 FF8268

 7D0000

 FF9F82

 5E0001

 FFBD9C

 410003

 FFDAB7

 1E0001

 FFF8D3

 000000

 FFFFF0

 DE2220

 DE2220

 DE0C0A

 DE3836

 DE0200

 DE4E4C

 DE6463

 DE7A79

 DE908F

 DEA6A5

 DEBCBB

 DED2D2

 DEE8E8

# Harmonies

## Analogous

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



EA0066



DE2220



B75700

# Triad

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



DE2220



008B33



0077FF

# Complementary

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



DE2220



20DCDE

# 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.



0088F6



DE2220



008E80

# Square

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



DE2220



278400



008EC6



7E56E7

# Rectangle

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



DE2220



936C00



008EC6



007FFF



# Sweetspot

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



DE2220



FFBDBD



DE20DE



805858



000000



808080



# Same Dimension

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



DE2220



FF0300



DE7F20



706565



B00200



300100



# Inverse Universe

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



20DCDE



00FCFF



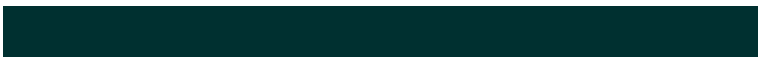
207FDE



657070



00AEB0



003030



# Previews

## White Background



This preview shows how the Hex color DE2220 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 × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 DE2220 Background



This preview shows how black text looks on a background with the Hex color DE2220.



This preview shows how white text looks on a background with the Hex color DE2220.

# 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



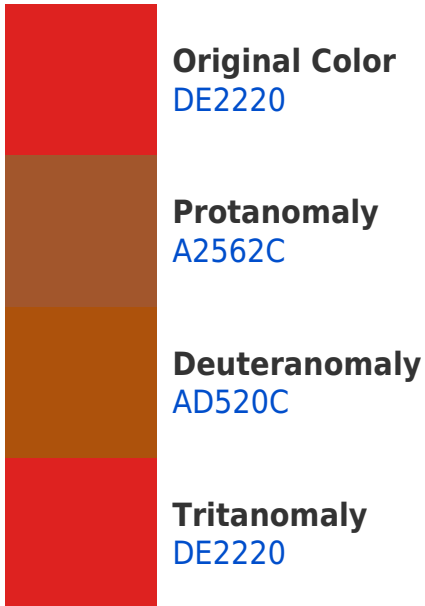
**Original Color**  
DE2220

**Protanopia**  
7F7333

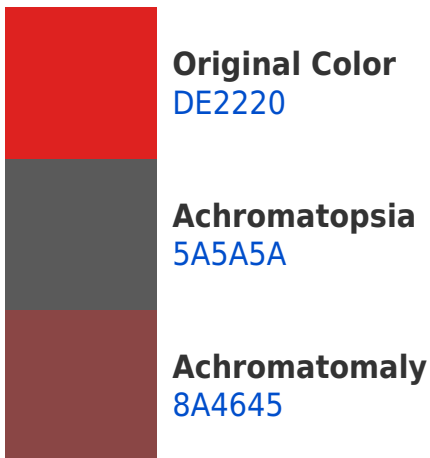
**Deuteranopia**  
916D00



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DE2220 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 #DE2220 looks like.

```
.text, #text, p{  
    color:#DE2220  
}
```

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 #DE2220 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE2220
}
```

## Border

The CSS property to change the border of an element to Hex DE2220 is called "border". The border property can be set on classes, ids or directly on the HTML element.

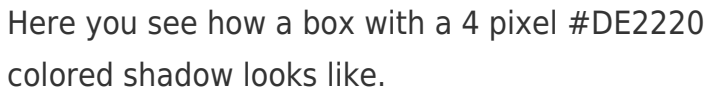
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#DE2220 }
```

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

```
.border{ border-color:#DE2220 }
```

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



Here you see how a box with a 4 pixel #DE2220 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE2220; -webkit-box-shadow:4px 4px  
4px 4px #DE2220; box-shadow:4px 4px 4px  
4px #DE2220 }
```

# Background

The CSS property to change the background color of an element to Hex DE2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE2220 }
```

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

```
.background{ background-color:#DE2220 }
```

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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