

Converting Colors

`RYB(222, 8, 69)`

Have a look what the booklet for
RYB(222, 8, 69) contains.

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Color

R_{YB}(222, 8, 69)

Conversions

Conversions Part 1

Format	Color
Hex	DE0845
RGB	222, 8, 69
RGB Percent	87%, 3%, 27%
CMY	0.1294, 0.9686, 0.7294
CMYK	0.00, 0.96, 0.69, 0.13
HSL	343°, 93%, 45%
HSV	343°, 96%, 87%
XYZ	31.2852, 16.1329, 7.0953
YIQ	78.9400, 107.9630, 64.3390

Conversions

Conversions Part 2

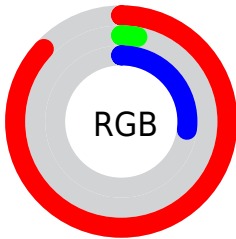
Format	Color
RYB	222, 8, 69
Decimal	14551109
CIELab	47.15, 73.03, 28.39
CIELCh	47, 78.360, 21.245
Yxy	16.1329, 0.5739, 0.2959
Android (android.graphics.Color)	4292741189 (0xFFDE0845)
YUV	78.9400, -4.9004, 125.4636
Hunter-Lab	40.1658, 68.7437, 17.6425

Details

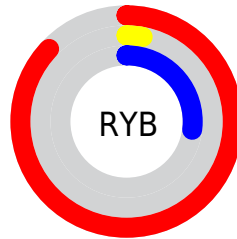
The RYB color **222, 8, 69** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **8, 133, 222**, and the grayscale version is **79, 79, 79**.

A 20% lighter version of the original color is **255, 92, 117**, and **158, 0, 27** is the 20% darker color. If you saturate the color by 10%, you get **222, 0, 63**, and if you desaturate by 10%, it is **222, 30, 85**.

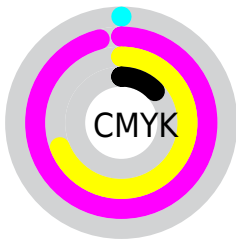
Distribution



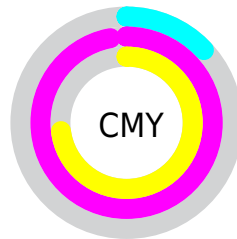
- Red (87%)
- Green (3%)
- Blue (27%)



- Red (87%)
- Yellow (3%)
- Blue (27%)



- Cyan (0%)
- Magenta (96%)
- Yellow (69%)
- Black (13%)



- Cyan (13%)
- Magenta (97%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 8, 69 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 RYB color 222, 8, 69 by changing the saturation by 10% instead.



222, 8, 69



222, 8, 69

255, 255, 255



190, 0, 47



255, 92, 117



158, 0, 27



255, 123, 142



127, 0, 1



255, 152, 169



95, 0, 2



255, 182, 196



66, 0, 3



255, 212, 224



31, 0, 1



255, 242, 252



0, 0, 0



222, 8, 69



222, 8, 69



222, 0, 63





222, 30, 85


 222, 52, 101


 222, 75, 117

 222, 97, 132

 222, 119, 148

 222, 141, 164

 222, 163, 180

 222, 186, 196

 222, 208, 212

Harmonies

Analogous

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



216, 0, 134



222, 8, 69



197, 106, 0

Triad

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



222, 8, 69



0, 127, 133



0, 83, 244

Complementary

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



222, 8, 69



8, 133, 222

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.



0, 84, 215



222, 8, 69



0, 84, 138

Square

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



222, 8, 69



0, 122, 30



0, 74, 158



30, 84, 237

Rectangle

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



222, 8, 69



138, 169, 0



0, 74, 158



0, 84, 238

Sweetspot

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



222, 8, 69



255, 181, 202



158, 8, 222



128, 83, 96



0, 0, 0



128, 128, 128

Same Dimension

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



222, 8, 69



255, 0, 73



222, 62, 8



112, 101, 104



176, 0, 50



48, 0, 14

Inverse Universe

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



222, 8, 69



255, 0, 73



8, 103, 222



112, 101, 104



176, 0, 50



48, 0, 14

Previews

White Background



This preview shows how the RYB color 222, 8, 69 looks on a white background.

Color Contrast Check

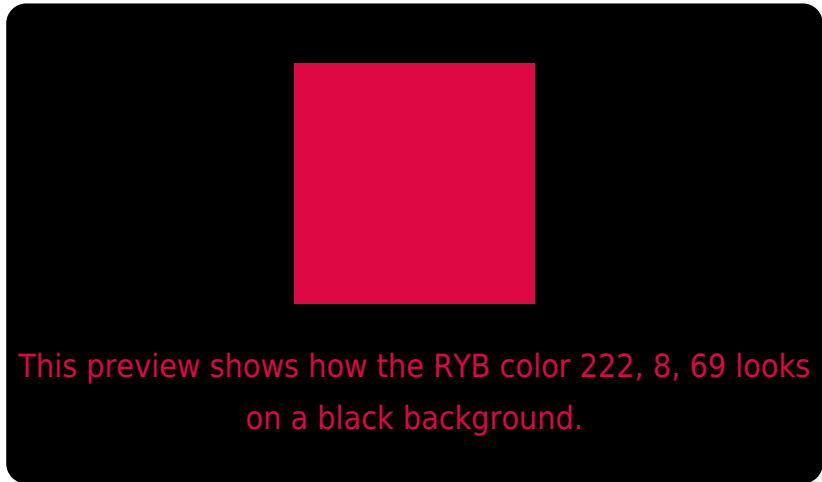
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

RYB 222, 8, 69 Background



This preview shows how black text looks on a background with the RYB color 222, 8, 69.

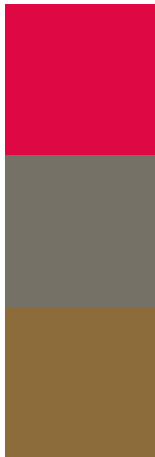


This preview shows how white text looks on a background with the RYB color 222, 8, 69.

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
222, 8, 69

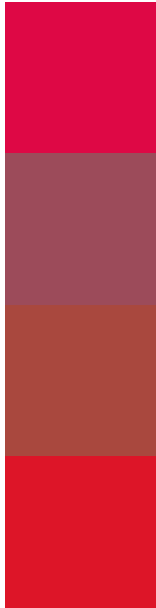
Protanopia
109, 118, 102

Deuteranopia
108, 139, 58



Tritanopia
221, 29, 24

Trichromacy



Original Color

222, 8, 69

Protanomaly

156, 75, 90

Deuteranomaly

169, 73, 62

Tritanomaly

221, 21, 40

Monochromacy



Original Color

222, 8, 69

Achromatopsia

79, 79, 79

Achromatomaly

131, 53, 75

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 8, 69 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 `rgb(222, 8, 69)` looks like.

```
.text, #text, p{  
    color:rgb(222, 8, 69)  
}
```

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 rgb(222, 8, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 8, 69) }
```

Border

The CSS property to change the border of an element to RYB 222, 8, 69 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 rgb(222, 8, 69) }
```

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

```
.border{ border-color:rgb(222, 8, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 8, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 8, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 8, 69);  
box-shadow:4px 4px 4px 4px rgb(222, 8, 69)  
}
```

Background

The CSS property to change the background color of an element to RGB 222, 8, 69 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 8, 69) }
```

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

```
.background{ background-color: rgb(222, 8,  
69) }
```

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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